

QY	1970	TTGAGCCCTGGTGGCCAGGACCAAGAACCAACAGATTCACCTCTGTGGTACATATGT	2029
Db	361	GTGGGCCCTGGTGGCCAGGACCAAGAACCAAGATTCACCTCTGTGGTACATATGT	420
QY	2030	GCACCTTTTCACGCAACACTCCAACACAGACTTTCAATCAACACTTTCGGCTTTGGCA	20839
Db	421	GCACCTTTTCACGCAACACTCCAACACAGACTTTCAATCAACACTTTCGGCTTTGGCA	480
QY	2090	ACACCGTCACTTGTGTGGAGGGCCAACTTCATTCCAAAGGGTTGAAATAGTTCATC	21439
Db	481	ACACCGTCACTTGTGTGGAGGGCCAACTTCATTCCAAAGGGTTGAAATAGTTCATC	540
QY	2150	ACTTTACCTCAAGTCTCTGTGGAAACCAAGGTTAGAAAATGTCTGTGCACCGACATG	22039
Db	541	ACTTTACCTCAAGTCTCTGTGGAAACCAAGGTTAGAAAATGTGTGCACCGACAAATG	600
QY	2210	TCACGTACCTCCGAGTTCTGTAGGGTGAAGTCAAGGTTCTCCAAATCTATCAAGCTTACG	22639
Db	601	TCACGTACCTCCGAGTTCTGTAGGGTGAAGTCAAGGTTCTCCAAATCTATCAAGCTTACG	660
QY	2270	TTGTGCGAAGGACGTATCATCCCCCAGAGGTGACAGGTTACAAAGGCCGGGTTTCTTCAC	23239
Db	661	TTGTGCGAAGGACGTATCATCCCCCAGAGGTGACAGGTTACAAAGGCCGGGTTTCTTCAC	720
QY	2330	AGCCTGTACGCGCTTGTGTGATGACTTTATGGGGTGACAAACAGATATGACTGTGATGGAA	23839
Db	721	AGCCTGTACGCGCTTGTGTGATGACTTTATGGGGTGACAAACAGATATGACTGTGATGGAA	780
QY	2390	TCACCTCCCCAGCTGGAATTTTTCACCTGTGAGTCTTGTGGAAATCCCGAGCTGATCTTCT	24439
Db	781	TCACCTCCCCAGCTGGAATTTTTCACCTGTGAGTCTTGTGGAAATCCCGAGCTGATCTTCT	840
QY	2450	TTTATAGGTCCAAATGATGTGACCCAGTCTCAGTTCTGGAGAGATCAACACCAATCCGCG	25039
Db	841	TTTATAGGTCCAAATGATGTGACCCAGTCTCAGTTCTGGAGAGATCAACACCAATCCGCG	900
QY	2510	TCAGGTGACATGCCACAGAAAATGTCTCCCTGGAAATTTCTCTGTGCAGAGAACTGTCTCAG	25639
Db	901	TCAGGTGACATGCCACAGAAAATGTCTCCCTGGAAATTTCTCTGTGCAGAGAACTGTCTCAG	960
QY	2570	ATGGGACCTGTGATGAGCTGCAACTTCCACTTCTGTGGAGAGCGCGGCTCTTCCCGC	26239
Db	961	ATGGGACCTGTGATGAGCTGCAACTTCCACTTCTGTGGAGAGCGCGGCTCTTCCCGC	1020
QY	2630	TCTGTCTAGTGGCTGACATCAACATGCTATCTGTGACAGAGTGTGTGGCTGGATCCAGAGA	26839
Db	1021	TCTGTCTAGTGGCTGACATCAACATGCTATCTGTGACAGAGTGTGTGGCTGGATCCAGAGA	1080
QY	2690	CTACTTACGTTGAGGAGAACCCAAAGCTATGCTGTGTGGCAATTTCTTGTGCTGACAGA	27439
Db	1081	CTACTTACGTTGAGGAGAACCCAAAGCTATGCTGTGTGGCAATTTCTTGTGCTGACAGA	1140
QY	2750	GAGTCACCATGTGCAAAACCAATAGATTTCBGCTGGAAGTGGGACTCTCTGCACAGCACT	28039
Db	1141	GAGTCACCATGTGCAAAACCAATAGATTTCBGCTGGAAGTGGGACTCTCTGCACAGCACT	1200
QY	2810	GTACTGCCATCTGTCTCAACGCTCTTGACCTTGACTTTTGGAAAAAGATCAAAAATCTAG	28639
Db	1201	GTACTGCCATCTGTCTCAACGCTCTTGACCTTGACTTTTGGAAAAAGATCAAAAATCTAG	1260
QY	2870	AGTCAAAATATCTCAAGCTGTGGATGATGTCACTCTGAAGACGTGACCTGTGCACAGAG	29239
Db	1261	AGTCAAAATATCTCAAGCTGTGGATGATGTCACTCTGAAGACGTGACCTGTGCACAGAG	1320
QY	2930	CTGACAGCTGGCCCATCAATGAAAGCGAGATGTAGAGACGACCTCAATCTTTTACAGCA	29839
Db	1321	CTGACAGCTGGCCCATCAATGAAAGCGAGATGTAGAGACGACCTCAATCTTTTACAGCA	1380
QY	2990	AGAA-TCACTTTTGGGAAGATCAAAATATTTACTCCAAAGAGACTCTGATGGATTGTG	30439
Db	1381	AGAAATCACTTTTGGGAAGATCAAAATATTTACTCCAAAGAGACTCTGATGGATTGTG	1440

QY	3049	ACTAAGGCGCGCTAAAGCAATCCTCAGAGAGGCCAGACATGGAACCTGTGAGAGGCACTGC	3108
Db	1441	ACTAAGTGGCCGCTGAAGACATCTCTCAGAGAGGCCAGACATGGAACCTGTGAGAGGCACTGC	1500
QY	3109	CTGCCTCACTGCTCCTCTCACTTTCATATGACACTTTTGCAAGCCTGGGGCATTGGGTG	3168
Db	1501	CTGCCTCACTGCTCCTCTCACTTTCATATGACACTTTTGCAAGCCTGGGGCATTGGGTG	1560
QY	3169	CCAGCATCTCGCAACACCCCACTGCTGGAAGATCTTTCATATGTGGCCTTATCAGATGTTG	3228
Db	1561	CCAGCATCTCGCAACACCCCACTGCTGGAAGATCTTTCATATGTGGCCTTATCAGATGTTG	1620
QY	3229	AATTTCAGATCTTTTTTATATAGATACCCAAACCTCTCTTCTGCTTGCCTCAAACTGCG	3288
Db	1621	AATTTCAGATCTTTTTTATATAGATACCCAAACCTCTCTTCTGCTTGCCTCAAACTGCG	1680
QY	3289	CAATATATCCGACACTTGTGTTGTAATTTAAAAAAA	3325
Db	1681	CAATATATCCGACACTTGTGTTGTAATTTAAAAAAA	1717

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RESULT 2
; US-09-702-705-913/c
; Sequence 913, Application US/09702705
; Parent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Veddvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478014
; CURRENT APPLICATION NUMBER: US/09/702.705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 913
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-702-705-913

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Query Match	12.7%	Score 424.4	DB 4	Length 426
Best Local Similarity	99.8%	Pred. No. 2.6e-115		
Matches 425	Conservative 0	Mismatches 1	Indels 0	Gaps 0
Qy	1541	CCAGATCACATTGCTTTGAGACCCTCTGTTCTGTAAGTGTGAGCTTACTTCAATGG	16000	
Dy	426	CCAGATCACATTGCTTTGAGACCCTCTGTTCTGTAAGTGTGAGCTTACTTCAATGG	367	
Qy	1601	TGGGTGTGAATTCTAGAGCAACACTCTCTGTGGAGAGGTGGAAGGTTCCAAAGCAAC	1660	
Dy	366	TGGGTGTGAATTCTAGAGCAACACTCTCTGTGGAGAGGTGGAAGGTTCCAAAGCAAC	307	
Qy	1661	AGTCTTAACCTATCATATGAGAGAAACAATACAGAGCTTAACCTGGGCTTCCAGA	1720	
Dy	306	AGTCTTAACCTATCATATGAGAGAAACAATACAGAGCTTAACTGGGCTTCCAGA	247	
Qy	1721	GGAGCACATTTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGATTTACTCCA	1780	
Dy	246	GGAGCACATTTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGATTTACTCCA	187	
Qy	1781	TCAATGTACCAATGTTATGATGGCGTGGCTCTTACTGTGCTGTCCTGTCCTTAAG	1840	
Dy	186	TCAATGTACCAATGTTATGATGGCGTGGCTCTTACTGTGCTGTCCTGTCCTTAAG	127	
Qy	1841	CCTGTGATGTGGCTCTCTCTGACACTCTTGTCTCTGCTGTTATATATGACGAGATT	1900	

Page 3

RESULT 5
US-09-671-325-913/c
; Sequence 913, Application U
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong

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; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darriek
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671.325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 913
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-671-325-913

Query Match      12.7%; Score 424.4; DB 4; Length 426;
Best Local Similarity 99.8%; Pred. No. 2.6e-115;
Matches 425; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1541 CCAGATCACATTTGCTCTTGAGACCCCTGCTCTGGAAGTGTAGCTCTACTTCAATG 1600
DB 426 CCAGATCACATTTGCTCTTGAGACCCCTGCTCTGGAAGTGTAGCTCTACTTCAATG 367
QY 1601 TGGGTGTAATTTAGAGCCAACTCTCTGTGAGAGCGTGAAGGTTCCAAAGGCAAC 1660
DB 366 TGGGTGTAATTTAGAGCCAACTCTCTGTGAGAGCGTGAAGGTTCCAAAGGCAAC 307
QY 1661 AGTCCTATACCTACATCATCTGAGAGAACTACCAAGAGTTCACCTGGGCGCTTCAGA 1720
DB 306 AGTCCTATACCTACATCATCTGAGAGAACTACCAAGAGTTCACCTGGGCGCTTCAGA 247
QY 1721 GGACCACTTTTCAATGAGGCAAGCAAGAAAGTACCAATGACCTTCCAAATCTACTCA 1780
DB 246 GGACCACTTTTCAATGAGGCAAGCAAGAAAGTACCAATGACCTTCCAAATCTACTCA 187
QY 1781 TCAATGTACCAAGTGTGAATGGCGGCTCTCTGCTGCGGCTGCTGAGCTTCAAG 1840
DB 186 TCAATGTACCAAGTGTGAATGGCGGCTCTCTGCTGCGGCTGCTGAGCTTCAAG 127
QY 1841 CCTGTGATGTGGGCTCTCTGCACTCTTGTCTGCTGCTGTTACTATATGACCGAGATT 1900
DB 126 CCTGTGATGTGGGCTCTCTGCACTCTTGTCTGCTGCTGTTACTATATGACCGAGATT 67
QY 1901 CAGGAACCTGCACTCTCCGCCCCCTTAAACAATTTGGAAGCCGACAGCTTATGCTG 1960
DB 66 CAGGAACCTGCACTCTCCGCCCCCTTAAACAATTTGGAAGCCGACAGCTTATGCTG 7
QY 1961 TCCAGG 1966
DB 6 TCCAGG 1

RESULT 6
US-09-702-705-864
; Sequence 864, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darriek
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
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; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702.705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 864
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-864

Query Match      7.9%; Score 263.4; DB 4; Length 265;
Best Local Similarity 99.6%; Pred. No. 8.1e-68;
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAATTTTCCACTGAGTCTCTGGGAATACCGGAGCTGATCTTTTATAGTCCA 2461
DB 1 CTGAATTTTCCACTGAGTCTCTGGGAATACCGGAGCTGATCTTTTATAGTCCA 60
QY 2462 ATGATGTACCCAGTCTCTGAGTCTCTGGAGATCAACACATCCGCGTCAAGTCACTC 2521
DB 61 ATGATGTACCCAGTCTCTGAGTCTCTGGAGATCAACACATCCGCGTCAAGTCACTC 120
QY 2522 CACAGAAAATCTCTCCCTGGAATTTGCTGCTCCAGAACTGCTCAATGGAGACTGTG 2581
DB 121 CACAGAAAATCTCTCCCTGGAATTTGCTGCTCCAGAACTGCTCAATGGAGACTGTG 180
QY 2582 ATGGCTGCAACTTCACTCTCTGTGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2641
DB 181 ATGGCTGCAACTTCACTCTCTGTGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
QY 2642 CTGACTACCATGCTATGCTACAGAG 2666
DB 241 CTGACTACCATGCTATGCTACAGAG 265

RESULT 7
US-09-736-457-864
; Sequence 864, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darriek
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736.457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 864
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-864

Query Match      7.9%; Score 263.4; DB 4; Length 265;
Best Local Similarity 99.6%; Pred. No. 8.1e-68;
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAATTTTCCACTGAGTCTCTGGGAATACCGGAGCTGATCTTTTATAGTCCA 2461
DB 1 CTGAATTTTCCACTGAGTCTCTGGGAATACCGGAGCTGATCTTTTATAGTCCA 60
```


QY 2462 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 2521
DB 61 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 120
QY 2522 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 2581
DB 121 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 180
QY 2582 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 2641
DB 181 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 240
QY 2642 CTGACTACCATGCTATGCTGCAGAG 2666
DB 241 CTGACTACCATGCTATGCTGCAGAG 265

RESULT 8
US-09-614-124B-864
Sequence 864, Application US/09614124B

GENERAL INFORMATION:
APPLICANT: Wang, Tonglong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.478C9
CURRENT FILING DATE: 2001-07-11
NUMBER OF SEQ ID NOS: 1668
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 864
LENGTH: 265
TYPE: DNA
ORGANISM: Homo sapien
US-09-614-124B-864

Query Match 7.9%; Score 263.4; DB 4; Length 265;
Best Local Similarity 99.6%; Pred. No. 8.1e-68;
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAACTTTTCCACCTGAGTCTCTGGAGATACCGAGAGTGTATCTTTTATAGTCCA 2461
DB 1 CTGAACTTTTCCACCTGAGTCTCTGGAGATACCGAGAGTGTATCTTTTATAGTCCA 60
QY 2462 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 2521
DB 61 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 120
QY 2522 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 2581
DB 121 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 180
QY 2582 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 2641
DB 181 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 240
QY 2642 CTGACTACCATGCTATGCTGCAGAG 2666
DB 241 CTGACTACCATGCTATGCTGCAGAG 265

RESULT 9
US-09-671-325-864
Sequence 864, Application US/09671325
Patent No. 6667154
GENERAL INFORMATION:

APPLICANT: Wang, Tonglong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.478C12
CURRENT FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 1825
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 864
LENGTH: 265
TYPE: DNA
ORGANISM: Homo sapien
US-09-671-325-864

Query Match 7.9%; Score 263.4; DB 4; Length 265;
Best Local Similarity 99.6%; Pred. No. 8.1e-68;
Matches 264; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2402 CTGAACTTTTCCACCTGAGTCTCTGGAGATACCGAGAGTGTATCTTTTATAGTCCA 2461
DB 1 CTGAACTTTTCCACCTGAGTCTCTGGAGATACCGAGAGTGTATCTTTTATAGTCCA 60
QY 2462 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 2521
DB 61 ATGATGTGACCCAGTCTCTGAGTCTGAGAGATCAACCAACCATCCGGGTGAGTGCAGTGC 120
QY 2522 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 2581
DB 121 CACAGAAAACGTCTCCCTGGAGAGTTTCTGCTGCTCCAGAGAAAGCTGTCAAGATGGAACTCTGTG 180
QY 2582 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 2641
DB 181 ATGGCTGCAACTCTCACTCTCTGCTGGAGAGCGCGGCTGTGCGCCGCTCTGCTCACTGTG 240
QY 2642 CTGACTACCATGCTATGCTGCAGAG 2666
DB 241 CTGACTACCATGCTATGCTGCAGAG 265

RESULT 10
US-09-222-575-45/C
Sequence 45, Application US/09222575
Patent No. 6387697
GENERAL INFORMATION:
APPLICANT: Yugu, Jiang
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
FILE REFERENCE: 210121.470
CURRENT FILING DATE: 1998-12-28
NUMBER OF SEQ ID NOS: 174
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 45
LENGTH: 231
TYPE: DNA
ORGANISM: Human
US-09-222-575-45

Query Match 5.7%; Score 189.6; DB 4; Length 231;
Best Local Similarity 97.1%; Pred. No. 5e-46;
Matches 204; Conservative 0; Mismatches 4; Indels 2; Gaps 1;

QY	2194	GTGTGACACGACCAATGTCATCAGACCTCCGGATTCCTGTAGGGGTGATCAGGGTT--CTTCA	2251
Db	231	GTGTGCACCCGACAAATGTACACCGACCTCCGGATTCCTGTAGGGGTGATCAGGTTTCTCCCA	172
QY	2252	AATCTATCACAGCCTACGTCTTCCACAGGACGTCATCATCCCTCCAGAGTGCACAGCTACA	2311
Db	171	AATCTATCACAGCCTACGTTCTGCCACGACGATCATCATCCCCCAGAGGTGCACAGCTACA	112
QY	2312	AGGCGCGGGGTTTCCCTACAGGCTGTGACACCTTGCATGACGACTTATTGGGGTGAACAACAG	2371
Db	111	AGGCGCGGGGTTTCCCTACAGGCTGTGACACCTTGTGATGACACTTATTGGGGTGAACAACAG	52
QY	2372	ATTATGACTCTGATGATGAATCACTTCCCCAG	2401
Db	51	ATTATGACTCTGTGATGATCACTTCCCCAG	22

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RESULT 11
US-09-389-681-45/c
; Sequence 45, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqin, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 45
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-45

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Query Match	5.7%	Score 189.6	DB 4	Length 231	
Best Local Similarity	97.1%	Pred. No. 5e-46			
Matches 204	Conservative	0	Mismatches	4	
			Indels	2	
			Gaps	1	
QY	2194	GTGTGACCGCA	CAATGTCACTGACCTCTCCGAA	TTCTGTGAGGTGAATCAGGGTT--CTCCA	2251
Db	231	GTGTGACCGCA	CAATGTCACTGACCTCTCCGAA	TTCTGTGAGGTGAATCAGGGTTCTTCTCCA	172
QY	2252	AATCATACAGCC	CTGCTGTCACGAGGAGATCATATCTCCCA	AGAGGTGACAGGCTCA	2311
Db	171	AATCATACAGCC	CTGCTGTCACGAGGAGATCATATCTCCCA	AGAGGTGACAGGCTCA	112
QY	2312	AGGCCGGGGTT	CTCTCACAGGCTGTGACCTTTGCTGATGCACTT	ATTGGGGGTGACACAG	2371
Db	111	AGGCCGGGGTT	CTCTCACAGGCTGTGACCTTTGCTGATGCACTT	ATTGGGGGTGACACAG	52
QY	2372	ATATGACTCTG	ATGATGATCACTCACTCTCCAG	2401	
Db	51	ATATGACTCTG	ATGATGATCACTCTCCAG	22	

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RESULT 12
US-09-620-405B--45/C
; Sequence 45, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jianshun
; APPLICANT: Harlocke, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

```

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1 FILE REFERENCE: 210121.470C8
2 CURRENT APPLICATION NUMBER: US/09/620,405B
3 CURRENT FILING DATE: 2000-07-20
4 NUMBER OF SEQ. ID NOS: 495
5 SOFTWARE: PasteSeq for Windows Version 3.0
6 SEQ. ID NO. 45
7 LENGTH: 231
8 TYPE: DNA
9 ORGANISM: Homo sapien
10 US-09-620-405B-45

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Query Match	5.7%;	Score 189.6;	DB 4;	Length 231;
Best Local Similarity	97.1%;	Pred. No. 5e-46;		
Matches 204;	Conservative 0;	Mismatches 4;	Indels 2;	Gaps 1;

QY	219	GTGTGACACCGAAMGTACTGACGACTCTGGATTCTCGAGGTAGTACAGGTT--CTCA	225
Ds	231	GTGTGACCGGACAMGTATCCGACTCTGGATTCTCGAGGTAGTACAGGTTTCTCCA	172
QY	252	AATCTATCACAGCCCTACGCTGTGCCAGGACGTATATCCCCAGAGGTGACAGGCTACA	231
Ds	171	AATCTATCACAGCCTACGCTGTGCCAGGACGTATATCCCCAGAGGTGACAGGCTACA	112
QY	232	AGCGCGGGGTTTCTCTACAGGCTGTACGCTTGCTATGACTTATTTGGGTGAGACAAG	237
Ds	111	AGCGCGGGGTTTCTCTACAGGCTGTACGCTTGCTATGACTTATTTGGGTGAGACAAG	52
QY	237	ATATGACTGTGATGAATCACCTCCCGAG	2401
Ds	51	ATATGACTGTGATGAATCACCTCCCGAG	22

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RESTRICT 13
US-09-339-338-45/c
: Sequence 45, Application US/09339338A
: Patent No. 6573368
: GENERAL INFORMATION:
: APPLICANT: Yugu, Uiang
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Xu, Jiangchun
: TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
: TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.470C2
: CURRENT APPLICATION NUMBER: US/09/339,338A
: CURRENT FILING DATE: 1999-06-23
: NUMBER OF SEQ ID NOS: 315
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 45
: LENGTH: 231
: TYPE: DNA
: ORGANISM: Homo sapien
: US-09-339-338-45

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	Query Match	5.7%	Score 189.6	DB 4	length 231
	Best Local Similarity	97.1%	Pred. No. 5e-46		
	Matches	204	Conservative	0	Mismatches 4
					Indels 2
					Gaps 1
QY	2194	GGTGTGACCGACATATGTACTGACCTCCGATTTCTGAGGCTAGTCACAGGTT--CTCCA	2255		
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Mon Jun 21 10:18:01 2004

us-10-046-433-39.rnpb

Page 1

GenCore version 5.1.6
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CM nucleic - nucleic search, using sw model

Run on: June 19, 2004, 00:17:43 ; Search time 1349 Seconds
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3017426 seqs, 229054650 residues

Total number of hits satisfying chosen parameters: 6034852

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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1	3334	100.0	3334	15	US-10-046-433-39 Sequence 39, Appl
2	3321.4	99.6	3345	16	US-10-144-198-25 Sequence 25, Appl
3	3303.8	99.1	7116	15	US-10-177-293-491 Sequence 491, Appl
4	3303.4	99.1	3501	13	US-10-147-493-37 Sequence 37, Appl
5	3303.4	99.1	3501	13	US-10-145-127-37 Sequence 37, Appl
6	3303.4	99.1	3501	13	US-10-160-503-37 Sequence 37, Appl
7	3303.4	99.1	3501	13	US-10-143-118-37 Sequence 37, Appl
8	3303.4	99.1	3501	13	US-10-144-993-37 Sequence 37, Appl
9	3303.4	99.1	3501	13	US-10-158-787-37 Sequence 37, Appl
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13	3303.4	99.1	3501	13	US-10-127-852A-37 Sequence 37, Appl
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US-10-046-433-39
Sequence 39, Application US/10046433
Publication NO. US20030092101A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR13 and TR14
FILE REFERENCE: FFS11P1
CURRENT FILING DATE: 2002-01-16
PRIOR APPLICATION NUMBER: 60/261,960
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/618,570
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/144,087
PRIOR FILING DATE: 1999-07-16
PRIOR APPLICATION NUMBER: 60/149,450
PRIOR FILING DATE: 1999-07-18
PRIOR APPLICATION NUMBER: 60/149,712
PRIOR FILING DATE: 1999-08-20
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SEQ ID NO 39
LENGTH: 3334
TYPE: DNA
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FEATURE:
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LOCATION: (58) .. (3063)
US-10-046-433-39
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Db 1750 AGCAGGAATGACCAATGACGTTGCCAAGATCTATCTCCATCATGTCAACCAATGTATG 1809
Qy 1801 AATGGGTGGCTCTCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860
Db 1810 AATGGGTGGCTCTCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1869
Qy 1861 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
Db 1870 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1929
Qy 1921 CCCCCTTAACAATTTGAAAGCCCAAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980
Db 1930 CCCCCTTAACAATTTGAAAGCCCAAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1989
Qy 1981 GGTCCAGGACCAAGAACCAACAAGATCCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
Db 1990 GGTCCAGGACCAAGAACCAACAAGATCCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2049
Qy 2041 CCGAACATCCACCAAGACCTTCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2100
Db 2050 CCGAACATCCACCAAGACCTTCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2109
Qy 2101 CTGCTGAGGGGCAAGCTTCACTTCAAGGGTGAATACTTCATCATCTTACCTG 2160
Db 2110 CTGCTGAGGGGCAAGCTTCACTTCAAGGGTGAATACTTCATCATCTTACCTG 2169
Qy 2161 AGTCTCTGTGAACCAAGGATGAGAAATGCTGTGTGCAACCGACATGTCACTGACCTC 2220
Db 2170 AGTCTCTGTGAACCAAGGATGAGAAATGCTGTGTGCAACCGACATGTCACTGACCTC 2229
Qy 2221 CCGATTCCTGAGGGTGAAGTCAAGGCTTCCAAATCTATCAACGCTAGTGTGCCAGGCA 2280
Db 2230 CCGATTCCTGAGGGTGAAGTCAAGGCTTCCAAATCTATCAACGCTAGTGTGCCAGGCA 2289
Qy 2281 GTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCGGGGTTTCTCAAGCTGTGACG 2340
Db 2290 GTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCGGGGTTTCTCAAGCTGTGACG 2349
Qy 2341 CTGCTGATGCACTTATTTGGGTGACACAGATGATCTGTGATGGAATACCTCCCA 2400
Db 2350 CTGCTGATGCACTTATTTGGGTGACACAGATGATCTGTGATGGAATACCTCCCA 2409
Qy 2401 GCTGAACCTTTCACTGAGTCTTGGGAAATACCGACGTGATCTTCTTTATAGTCC 2460
Db 2410 GCTGAACCTTTCACTGAGTCTTGGGAAATACCGACGTGATCTTCTTTATAGTCC 2469
Qy 2461 AATGATGACCCGAGTCTGCACTTCTGAGATCAACCACTATCCGCTCAGTGCAGT 2520
Db 2470 AATGATGACCCGAGTCTGCACTTCTGAGATCAACCACTATCCGCTCAGTGCAGT 2529
Qy 2521 CCAAGAAACCTGCTGAGGATTTGCTGCTGCCAGGAAGTGTCTCAGATGGACCTGT 2580
Db 2530 CCAAGAAACCTGCTGAGGATTTGCTGCTGCCAGGAAGTGTCTCAGATGGACCTGT 2589
Qy 2581 GATGCTGCACTTCACTTCTGTGAGAGAGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2640
Db 2590 GATGCTGCACTTCACTTCTGTGAGAGAGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2649
Qy 2641 GCTGATCAACATGCTATGCTGAGAGCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2700
Db 2650 GCTGATCAACATGCTATGCTGAGAGCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2709
Qy 2701 TGGCAGAACCCAGAGTATGCTCTGAGGCAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2760
Db 2710 TGGCAGAACCCAGAGTATGCTCTGAGGCAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2769
Qy 2761 TGCAGAACATGATTTCTGCTGAAAGTGGGATCTGTGACGAGCACTGTATCTGCCATC 2820
Db 2770 TGCAGAACATGATTTCTGCTGAAAGTGGGATCTGTGACGAGCACTGTATCTGCCATC 2829


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Db 1093 AGAATGATTCATTAACAGAGGAGTGGCTTCACTTCAAGATTCCTTCCCTGCAAACTGGC 1152
Qy 901 ACGATGACAGCAAGCAGAGGCTCTTCTTTCGAACTTTGCGCAAGCCAACTCTTATTC 960
Db 1153 ACGATGACAGCAAGCAGAGGCTCTTCTTTCGAACTTTGCGCAAGCCAACTCTTATTC 1212
Qy 961 AATAAGAGAACTCTTTCGACAGAGTGAACCTGACAAATACAGAGAAAGATCT 1020
Db 1213 AATAAGAGAACTCTTTCGACAGAGTGAACCTGACAAATACAGAGAAAGATCT 1272
Qy 1021 TCTTCTGTAACTGTCGCGCAGCTTGCACAGACAAAGATTTTCTACACACACGCGC 1080
Db 1273 TCTTCTGTAACTGTCGCGCAGCTTGCACAGACAAAGATTTTCTACACACACGCGC 1332
Qy 1081 TCGATGTCACAGAGACACAACTATCTTACAAATGCGGCAAGCCGAAATCTGAGC 1140
Db 1333 TCGATGTCACAGAGACACAACTATCTTACAAATGCGGCAAGCCGAAATCTGAGC 1392
Qy 1141 GAGACCTTTGAGAGGAGCAGTGAAGCTGCTCTCTGATGTAAGACCACTGCGCACCC 1200
Db 1393 GAGACCTTTGAGAGGAGCAGTGAAGCTGCTCTCTGATGTAAGACCACTGCGCACCC 1452
Qy 1201 TGCACCCAGGCTTCTTCAAAACCAACACACACCTGCGCAGCCCTGCTATAGTTCC 1260
Db 1453 TGCACCCAGGCTTCTTCAAAACCAACACACACCTGCGCAGCCCTGCTATAGTTCC 1512
Qy 1261 TACTGCAATGAGTGAAGTATACCGCTGCGCTGAGAGGAGCTGAACCTGCTGAGATT 1320
Db 1513 TACTGCAATGAGTGAAGTATACCGCTGCGCTGAGAGGAGCTGAACCTGCTGAGATT 1572
Qy 1321 GAATCAATGATGTAAGACGCTGCGCAACACATGAAACGACCGTTTCTGATGGGATC 1380
Db 1573 GAATCAATGATGTAAGACGCTGCGCAACACATGAAACGACCGTTTCTGATGGGATC 1632
Qy 1381 AACTTGGAGTCAAGAGGATGACAGGCTGGAGAGGAGTGGTGTATCACTTACACAGCT 1440
Db 1633 AACTTGGAGTCAAGAGGATGACAGGCTGGAGAGGAGTGGTGTATCACTTACACAGCT 1692
Qy 1441 GCTGAGGCTGACAGCAATGACTTCACTTCTCACTCTGATGTCAGAGATTAGACT 1500
Db 1693 GCTGAGGCTGACAGCAATGACTTCACTTCTCACTCTGATGTCAGAGATTAGACT 1752
Qy 1501 CCGCAGTGGTATGTCAGACACAGAGAAATAAGAGTGGCCAAATCACTTTGCTTT 1560
Db 1753 CCGCAGTGGTATGTCAGACACAGAGAAATAAGAGTGGCCAAATCACTTTGCTTT 1812
Qy 1561 GAGACCTCTGTTCTGTAACCTGTAGCTCTACTCATGCTGAGTGAATTTAGAGCC 1620
Db 1813 GAGACCTCTGTTCTGTAACCTGTAGCTCTACTCATGCTGAGTGAATTTAGAGCC 1872
Qy 1621 AACACTCTGTGAGACCTGGAAGGTTCCAAAGGCAAAAGTCTTATACATCATATT 1680
Db 1873 AACACTCTGTGAGACCTGGAAGGTTCCAAAGGCAAAAGTCTTATACATCATATT 1932
Qy 1681 GAGAGGAACACTACACAGAGCTTCACTGAGGCTTCCAGAGGACCACTTTTCAAGGCA 1740
Db 1933 GAGAGGAACACTACACAGAGCTTCACTGAGGCTTCCAGAGGACCACTTTTCAAGGCA 1992
Qy 1741 AGCAGGAAGTACCAATGACGTTGCCAAGATCTTCTCATCATATGTCACCAATGTTATG 1800
Db 1993 AGCAGGAAGTACCAATGACGTTGCCAAGATCTTCTCATCATATGTCACCAATGTTATG 2052
Qy 1801 AATGCGTGGCTCTCTACCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1860
Db 2053 AATGCGTGGCTCTCTACCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2112
Qy 1861 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920
Db 2113 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2172
Qy 1921 CCCCCTAACCAATTTCTGAAGCCCAACAGCTTATGCTGTCAGAGCTGCTGCTGCTG 1980
Db 2173 CCCCCTAACCAATTTCTGAAGCCCAACAGCTTATGCTGTCAGAGCTGCTGCTGCTG 2232
Qy 1981 GGTTCAGGGACCAAGAACCAAGATTCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040
Db 2233 GGTTCAGGGACCAAGAACCAAGATTCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 2292
Qy 2041 CCGAACCTCCAAACAGGACCTTCACTCACTCACTCACTCACTCACTCACTCACTCACT 2100
Db 2293 CCGAACCTCCAAACAGGACCTTCACTCACTCACTCACTCACTCACTCACTCACTCACT 2352
Qy 2101 CTGCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGGAATTTCTTCACTCACTTACCTG 2160
Db 2353 CTGCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGGAATTTCTTCACTCACTTACCTG 2412
Qy 2161 AGCTCTGAGAAACAGAGGTAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2220
Db 2413 AGCTCTGAGAAACAGAGGTAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2472
Qy 2221 CCGATTCCTGAGAGGCTGAGTCAAGGCTTCCAAATCTTATCAAGCTTACGTCTGCGAGGCA 2280
Db 2473 CCGATTCCTGAGAGGCTGAGTCAAGGCTTCCAAATCTTATCAAGCTTACGTCTGCGAGGCA 2532
Qy 2281 GTCATATCCCCCAGAGGTGACAGGCTTCAAGAGCCGAGGCTTCTTCAAGCTGCTGAGC 2340
Db 2533 GTCATATCCCCCAGAGGTGACAGGCTTCAAGAGCCGAGGCTTCTTCAAGCTGCTGAGC 2592
Qy 2341 CTGCTGATGCACTTATTTGGGCTGACACAGATATGACTTGTGATGAAATCACTTCCCA 2400
Db 2593 CTGCTGATGCACTTATTTGGGCTGACACAGATATGACTTGTGATGAAATCACTTCCCA 2652
Qy 2401 GCTGACCTTTTCACTGAGTCTTGGAGTCAACAGATATGACTTGTGATGAAATCACTTCCCA 2460
Db 2653 GCTGACCTTTTCACTGAGTCTTGGAGTCAACAGATATGACTTGTGATGAAATCACTTCCCA 2712
Qy 2461 AATGATGATACCCAGTCTGCACTTCTGAGATCAACCAATCCGCTGCTGAGTCACT 2520
Db 2713 AATGATGATACCCAGTCTGCACTTCTGAGATCAACCAATCCGCTGCTGAGTCACT 2772
Qy 2521 CCAACAGAAATCTGCTGCTGAGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2580
Db 2773 CCAACAGAAATCTGCTGCTGAGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2832
Qy 2581 GATGCTGCACTTCCACTTCTGCTGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2640
Db 2833 GATGCTGCACTTCCACTTCTGCTGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2892
Qy 2641 GCTGACTACATGCTATGCTGACAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2700
Db 2893 GCTGACTACATGCTATGCTGACAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2952
Qy 2701 TGGCGAGAACCCAGGCTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2760
Db 2953 TGGCGAGAACCCAGGCTATGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3012
Qy 2761 TGCAGAACCATATGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2820
Db 3013 TGCAGAACCATATGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3072
Qy 2821 CTGCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2880
Db 3073 CTGCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3132
Qy 2881 TCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2940
Db 3133 TCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3192
Qy 2941 GGCATCATGGAAGGCGAGATGTAAGAGACGACCTCATCTTATACAGAGAGTCACTC 2999
Db 3193 GGCATCATGGAAGGCGAGATGTAAGAGACGACCTCATCTTATACAGAGAGTCACTC 3252
Qy 3000 TTTGGAGAGTCAATCATTTACCTTCAAGAGAGTCTGCTGCTGCTGCTGCTGCTGCTG 3059
Db 3253 TTTGGAGAGTCAATCATTTACCTTCAAGAGAGTCTGCTGCTGCTGCTGCTGCTGCTG 3312
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Sequence 37 Application US/10145127
Publication No. US20040033558A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P3303RIC252
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37
LENGTH: 3501
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 2762..2778
OTHER INFORMATION: unknown base
US-10-145-127-37

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Query	Match	Similarity	99.1%	Score	3303.4	DB	13	Length	3501
Best	Local	Similarity	99.6%	Pred.	No. 0				
Matches	3321	Conservative	0	Mismatches	13	Indels	1	Gaps	1
QY	1	GCAGAGACGACCGCCAGCACCCTGAGCCGCTACTGCCCTCACTCAGACACACGCTATG	60						
DB	76	GCAGAGACGACCGCCAGCACCCTGAGCCGCTACTGCCCTCACTCAGACACACGCTATG	135						
QY	61	GCTGAGCCTGGGCAACCCACCATCTCTCCGCAAGTGAAGGGAAGAACTGAGAGCCG	120						
DB	136	GCTGAGCCTGGGCAACCCACCATCTCTCCGCAAGTGAAGGGAAGAACTGAGAGCCG	195						
QY	131	ATACCCCGCTGTGGCGGCTGTGCTCTGGGCTGGGACCGCCTTCCAGGTGACCCAGGGA	180						
DB	136	ATACCCCGCTGTGGCGGCTGTGCTCTGGGCTGGGACCGCCTTCCAGGTGACCCAGGGA	255						
QY	181	ACGGACACGGAGCTTCAACGCTGCAAGAGTCTGATACCACTATGATGACACGGCGTGT	240						
DB	256	ACGGACACGGAGCTTCAACGCTGCAAGAGTCTGATACCACTATGATGACACGGCGTGT	315						
QY	241	GACACACCGGGTTCACAGGTGAGAGGGTCCGCGTGGCCAAACCCCGGGCCTGTGACACAC	300						
DB	316	GACACACCGGGTTCACAGGTGAGAGGGTCCGCGTGGCCAAACCCCGGGCCTGTGACACAC	375						
QY	301	CTGCTGACCCCGTCAAGGGACCCGAGTCTCTCTTCTCTTGCAACGCGCGAGGAGTTTCG	360						
DB	376	CTGCTGACCCCGTCAAGGGACCCGAGTCTCTCTTCTCTTGCAACGCGCGAGGAGTTTCG	435						
QY	361	GATATGAGAGCAACGATCATGTAAAGCCATCGCTGAGGCGCGCTACTCTCTCGACACAGC	420						
DB	436	GATATGAGAGCAACGATCATGTAAAGCCATCGCTGAGGCGCGCTACTCTCTCGACACAGC	495						
QY	421	ATTGCGTTGATGAGTGGGATGAGCTGCGCCCATGGCTTGCCAGACCTCTCAGCAACATG	480						
DB	436	ATTGCGTTGATGAGTGGGATGAGCTGCGCCCATGGCTTGCCAGACCTCTCAGCAACATG	555						

Db 1636 GAGACCTCTGTTCTGTGAACGTGTAGCTCTACTTATGATGATGGGTGTGAATTCAGAAC 1695
Qy 1621 AATATCTCTGTGAAGCGTGGAAAGTTTCCAAAGGCAACAGTCCCTATCTTACATCATT 1680
Db 1696 AATATCTCTGTGAAGCGTGGAAAGTTTCCAAAGGCAACAGTCCCTATCTTACATCATT 1755
Qy 1681 GAGAGAACTATACGACGAGCTTCACTGGGCTTCCAGAGACCACTTTTATAGGCA 1740
Db 1756 GAGAGAACTATACGACGAGCTTCACTGGGCTTCCAGAGACCACTTTTATAGGCA 1815
Qy 1741 AGCAGAGATGACCACTATGCTTGGCAAGATCTACTCATATATGTCACTATGTATG 1800
Db 1816 AGCAGAGATGACCACTATGCTTGGCAAGATCTACTCATATATGTCACTATGTATG 1875
Qy 1801 AATGGGTGGGCTCTCTACTGCGGTCCCTGTGACCTTGAAGCTCTGATGTGGGCTCTCC 1860
Db 1876 AATGGGTGGGCTCTCTACTGCGGTCCCTGTGACCTTGAAGCTCTGATGTGGGCTCTCC 1935
Qy 1861 TGCACCTCTTGTCTCTGTGTTACTATATGTGACCGAGATTCAGGAACCTGCCACTCTGC 1920
Db 1936 TGCACCTCTTGTCTCTGTGTTACTATATGTGACCGAGATTCAGGAACCTGCCACTCTGC 1995
Qy 1921 CCCCCTTAACAAATTCGAAAGCCCAAGCCCTTAAGTGTCAAGGCTGTGGGCTGT 1980
Db 1996 CCCCCTTAACAAATTCGAAAGCCCAAGCCCTTAAGTGTGTCAAGGCTGTGGGCTGT 2055
Qy 1981 GGTTCAGAGCAACAGAACCAAGATCACTCTGTGTGTATGATGATGACCTTCTCA 2040
Db 2056 GGTTCAGAGCAACAGAACCAAGATCACTCTGTGTGTATGATGATGACCTTCTCA 2115
Qy 2041 CGCAACATCTCAACAGACCTTCACTCAAGGCTTGAATTAATTCATCACTTACCTC 2100
Db 2116 CGCAACATCTCAACAGACCTTCACTCAAGGCTTGAATTAATTCATCACTTACCTC 2175
Qy 2101 CTGTGTGAGGAGCAAGCTTCACTCAAGGCTTGAATTAATTCATCACTTACCTC 2160
Db 2176 CTGTGTGAGGAGCAAGCTTCACTCAAGGCTTGAATTAATTCATCACTTACCTC 2235
Qy 2161 AGTCTGTGTGAACCAAGGATGAGAAATGTCTGTGTGACCGACATGTCACTGACTC 2220
Db 2236 AGTCTGTGTGAACCAAGGATGAGAAATGTCTGTGTGACCGACATGTCACTGACTC 2295
Qy 2221 CGGATTCCTGAGGAGTGTCAAGGCTTCAATATCATCAAGCCCTGATGAGGCA 2280
Db 2296 CGGATTCCTGAGGAGTGTCAAGGCTTCAATATCATCAAGCCCTGATGAGGCA 2355
Qy 2281 GTGATCATCCCCCAGAGGTGACAGGCTCAAGGCGGGTTCCTCAAGCCTGTCAAGC 2340
Db 2356 GTGATCATCCCCCAGAGGTGACAGGCTCAAGGCGGGTTCCTCAAGCCTGTCAAGC 2415
Qy 2341 CTGTGTGATGATGATTTGGGGTGACACAGATATGATCTGTGATGATGATCACTCCCA 2400
Db 2416 CTGTGTGATGATGATTTGGGGTGACACAGATATGATCTGTGATGATGATCACTCCCA 2475
Qy 2401 GCTGAATCTTTCACCTGAGTCTTGGGAATACCGGAGTATCTTCTTATATAGTCC 2460
Db 2476 GCTGAATCTTTCACCTGAGTCTTGGGAATACCGGAGTATCTTCTTATATAGTCC 2535
Qy 2461 AATGATGTACCCAGTCTGTCAATTTGGGAATCAACACATCCGCTCAGGTGCAAT 2520
Db 2536 AATGATGTACCCAGTCTGTCAATTTGGGAATCAACACATCCGCTCAGGTGCAAT 2595
Qy 2521 CCACAGAAACTGTCTCTGGAAGTTGTGTCTGTCCAGAACTGTCTCAATGGGACCTGT 2580
Db 2596 CCACAGAAACTGTCTCTGGAAGTTGTGTCTGTCCAGAACTGTCTCAATGGGACCTGT 2655
Qy 2581 GATGCTGCAACTTCACTTCTGTGTGAGAGCGCGGTCTTGGCCGCTGTCTCAATG 2640
Db 2656 GATGCTGCAACTTCACTTCTGTGTGAGAGCGCGGTCTTGGCCGCTGTCTCAATG 2715
Qy 2641 GCGATTAACATGCTATGCTGACAGCTGTGTGGGCTGGGATCCAGAGACTACTTACG 2700

Db 2716 GCTGACTACCATGCTATGCTCAAGAGCTGTGTGGCTGGATTCAGANGACTACTACGTG 2775
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Db 2776 TGGGAGAACCCAGATGATGCTGTGGGCAATTTCTCTGTCTGAGCAGAGATCAACATC 2835
Qy 2761 TGCAAAACCATATGATTTCTGGCTGAAAAGTGGGCACTCTGACAGCACTGTACTGCCATC 2820
Db 2836 TGCAAAACCATATGATTTCTGGCTGAAAAGTGGGCACTCTGACAGCACTGTACTGCCATC 2895
Qy 2821 CTGCTCAACGCTTGTGACCTGTACTTTTGGAAAAAGATTAATAAATCTAGAGTCAAGTAC 2880
Db 2896 CTGCTCAACGCTTGTGACCTGTACTTTTGGAAAAAGATTAATAAATCTAGAGTCAAGTAC 2955
Qy 2881 TCCAGCTGTGTATGATGCTGTACTCTCAAGAGCTGTGACCTGTGACAGCTGTGACAGTGC 2940
Db 2956 TCCAGCTGTGTATGATGCTGTACTCTCAAGAGCTGTGACCTGTGACAGCTGTGACAGTGC 3015
Qy 2941 GCGATCAATGAGAGCGAGATGATGAGAGAGAGACTCTATCTTTACAGCAAGAA-TCAGTC 2939
Db 3016 GCGATCAATGAGAGCGAGATGATGAGAGAGAGACTCTATCTTTACAGCAAGAAAGTCACTT 3075
Qy 3000 TTTGGAGAGATCAATGATTTTACCTCCAGAGAGACTCTGTATGATGATGATGATGATG 3059
Db 3076 TTTGGAGAGATCAATGATTTTACCTCCAGAGAGACTCTGTATGATGATGATGATGATG 3135
Qy 3060 CTGAAGCATCTCTGAGAGGCGCAGACATGAGCTCTGTGAGAGGCACTGCTGCTCACT 3115
Db 3136 CTGAAGCATCTCTGAGAGGCGCAGACATGAGCTCTGTGAGAGGCACTGCTGCTCACT 3195
Qy 3120 GCTCTCTACCTTGCATGAGACCTTTGCAAGCTGTGGGCGATTTGGGTGCGACATCTG 3179
Db 3196 GCTCTCTACCTTGCATGAGACCTTTGCAAGCTGTGGGCGATTTGGGTGCGACATCTG 3255
Qy 3180 CAACACCCACTGCTGAAATCTCTTCAATGTGAGCTTATGATGATTTGATTCAGATC 3239
Db 3256 CAACACCCACTGCTGAAATCTCTTCAATGTGAGCTTATGATGATTTGATTCAGATC 3315
Qy 3240 TTTTATATGAGATGCCAAACCTCTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3299
Db 3316 TTTTATATGAGATGCCAAACCTCTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3375
Qy 3300 ACACCTTGTGTGTAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 3334
Db 3376 ACATTTTATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 3410

RESULT 6
US-10-160-503-37
; Sequence 37, Application US/10160503
; Publication No. US20040033559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matarabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C446
; CURRENT APPLICATION NUMBER: US/10/160,503


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: CURRENT FILING DATE: 2002-05-30
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 37
: LENGTH: 3501
: TYPE: DNA
: ORGANISM: Homo Sapien
: FEATURE:
: NAME/KEY: unsure
: LOCATION: 2762, 2778
: OTHER INFORMATION: unknown base
US-10-160-503-37

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Query Match	99.1%;	Score 3303.4;	DB 13;	Length 3501;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 3321;	Conservative	0;	Mismatches 13;	Indels 1;
			Gaps	1

OY	1	GCAGAGACGACGCGCAGACACTGAGCGCGTACATGCGCTCACTCAGACAAACGTATG	60
Db	76	GCAGAGACGACGCGCAGACACTGAGCGCGTACATGCGCTCACTCAGACAAACGTATG	135
OY	61	GCTGAGCTTGGGACACAGCCATCTCTCCGACAGATGAGGGAAAGAACTGAGAGCGCC	120
Db	136	GCTGAGCTTGGGACACAGCCATCTCTCCGACAGATGAGGGAAAGAACTGAGAGCGCC	195
OY	121	ATACCCCGGCTGTGGCGGCTGTGCTCTTGAGGCTGGGACCGCCTTCCAGGTGAACCGAGGA	180
Db	136	ATACCCCGGCTGTGGCGGCTGTGCTCTTGAGGCTGGGACCGCCTTCCAGGTGAACCGAGGA	255
OY	131	ACGGACCGGACCTTCAAGCCCTGCAAAAGATGAGTACCATATGAGATGAACGGCGT	240
Db	236	ACGGACCGGACCTTCAAGCCCTGCAAAAGATGAGTACCATATGAGATGAACGGCGT	315
OY	241	GACAGACACGGGTTTCCAGGTGAGAGGTCGCGCTGCGCATACCCCGGCGCTGTGCAACAC	300
Db	316	GACAGACACGGGTTTCCAGGTGAGAGGTCGCGCTGCGCATACCCCGGCGCTGTGCAACAC	375
OY	301	CTGCCGACCCCGTCAAGGGGACCCAGATGCTCTCTCTCTGCAAGCGCGGGGAGTTTCTG	360
Db	376	CTGTCTGACCCCGTCAAGGGGACCCAGATGCTCTCTCTCTGCAAGCGCGGGGAGTTTCTG	435
OY	361	GATATGAAAGACACAGTCATGTATTAAGCCATCGCTGAGGGCGCGTACTCTCCCTGGCAACGC	420
Db	436	GATATGAAAGACACAGTCATGTATTAAGCCATCGCTGAGGGCGCGTACTCTCCCTGGCAACGC	495
OY	421	ATTGCGTTTGAAGAGTGGGATGAGCGTCCCATGGCTTGGCCAGCGCTCTCAGCCAAACATG	480
Db	436	ATTGCGTTTGAAGAGTGGGATGAGCGTCCCATGGCTTGGCCAGCGCTCTCAGCCAAACATG	555
OY	481	GAGCTGGATGACAGTGTCTGATGTCACACGGGAACTGTACTTGTCTCAAATGGGTTCCC	540
Db	556	GAGCTGGATGACAGTGTCTGATGTCACACGGGAACTGTACTTGTCTCAAATGGGTTCCC	615
OY	541	CGGGGCGATTACATGCGCTTCAACACGGACGAATGACAGCCACACTGATGTACCGCGTC	600
Db	616	CGGGGCGATTACATGCGCTTCAACACGGACGAATGACAGCCACACTGATGTACCGCGTC	675
OY	601	AACTGGAAGCAATCTTGACACCGTTAACTTGAATACTACTATTCAGATCTCAGACATCATC	660
Db	676	AACTGGAAGCAATCTTGACACCGTTAACTTGAATACTACTATTCAGATCTCAGACATCATC	735
OY	661	TTTGAGTTTTTGTTGAGATGACAGTGCAGAGCCCAATGACAGATCACTCAGAGTGATG	720
Db	736	TTTGAGTTTTTGTTGAGATGACAGTGCAGAGCCCAATGACAGATCACTCAGAGTGATG	795
OY	721	AAGACCAACAGAAAGGATGGGAATCCACAGTGTGAGCTAAATGAGGCAATATATTC	780
Db	796	AAGACCAACAGAAAGGATGGGAATCCACAGTGTGAGCTAAATGAGGCAATATATTC	855
OY	781	CTCTATTGAGAAACACACAGCTTCTCAGATGAGACAAAGTACCCCAAGCGTGTGCTGTG	840
Db	856	CTCTATTGAGAAACACACAGCTTCTCAGATGAGACAAAGTACCCCAAGCGTGTGCTGTG	915
OY	841	AGAAACATTGCCATAACAGGGGTGCGCTACCTTCAAGATGCTTCCCCCTGCAAACTGGC	900

[illegible]

Db 1996 CCCCCTACACATTTCTGAAGGCCACAGCCTTATGTGTCCAGGCGCTGTGCCCCCT 2055
Qy 1981 GGTCCAGGAGCAAGAAACAAGATCACTCTGTGTCTACAAATATGACCTTCTCA 2040
Db 2056 GGTCCAGGAGCAAGAAACAAGATCACTCTGTGTCTACAAATATGACCTTCTCA 2115
Qy 2041 CGGAACCTCCACACAGGACTTTCACTCAACTCTGCGCTTTGGGAAACACCGCTCAT 2100
Db 2116 CGGAACCTCCACACAGGACTTTCACTCAACTCTGCGCTTTGGGAAACACCGCTCAT 2175
Qy 2101 CTTCCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGAATACTTCCATCATCTTACCTTC 2160
Db 2176 CTTCCTGAGAGGCGCAAGCTTCACTTCCAAAGGCTGAATACTTCCATCATCTTACCTTC 2235
Qy 2161 AGTCTCTGTGGAACCAAGGCTAGGAAATGTCTGTGTGACCGACATGCTCATGCTCC 2220
Db 2236 AGTCTCTGTGGAACCAAGGCTAGGAAATGTCTGTGTGACCGACATGCTCATGCTCC 2295
Qy 2221 CGGATTCCTGAGGAGTGTGAGGCTTCTCCAAATCTATCAACAGCTTACGCTCCAGGCA 2280
Db 2296 CGGATTCCTGAGGAGTGTGAGGCTTCTCCAAATCTATCAACAGCTTACGCTCCAGGCA 2355
Qy 2281 GTCTATATCCCCCAAGGTGACAGAGCTACAGAGCCCGGGTTTCTTCAACGCTGTCAAC 2340
Db 2356 GTCTATATCCCCCAAGGTGACAGAGCTACAGAGCCCGGGTTTCTTCAACGCTGTCAAC 2415
Qy 2341 CTTCCTGATGACTTATTTGGGCTGACACAGATATGACTCTGTGATGAATCACTTCCCA 2400
Db 2416 CTTCCTGATGACTTATTTGGGCTGACACAGATATGACTCTGTGATGAATCACTTCCCA 2475
Qy 2401 GCTGAATTTTCAACTGAGTCTTGGGAAATACCGGAGCTGATCTTCTTTTATAGTTC 2460
Db 2476 GCTGAATTTTCAACTGAGTCTTGGGAAATACCGGAGCTGATCTTCTTTTATAGTTC 2535
Qy 2461 AATGATGTGACCAAGTCTGAGTCTGAGGAGATCAACACAGTCCGCGTCAAGTGTGAGT 2520
Db 2536 AATGATGTGACCAAGTCTGAGTCTGAGGAGATCAACACAGTCCGCGTCAAGTGTGAGT 2595
Qy 2521 CCAAGAAACCTGTCCCTGGAACTTTGCTGCTCCAGAAAGCTGCTCAAGTGGAGCTGT 2580
Db 2596 CCAAGAAACCTGTCCCTGGAACTTTGCTGCTCCAGAAAGCTGCTCAAGTGGAGCTGT 2655
Qy 2581 GATGCTGGAACCTTCACTTCTGCTGAGGAGAGGCGCGCTGTCGCGCGCTGCTCAGTG 2640
Db 2656 GATGCTGGAACCTTCACTTCTGCTGAGGAGAGGCGCGCTGTCGCGCGCTGCTCAGTG 2715
Qy 2641 GCTGACTACCATGCTATCTGTCAAGAGCTGTGTGCTGGATCCAGAAAGCTATTAAGTG 2700
Db 2716 GCTGACTACCATGCTATCTGTCAAGAGCTGTGTGCTGGATCCAGAAAGCTATTAAGTG 2775
Qy 2701 TGGCGAGAACCCAAAGCTATGCTGTGTGCAATTTCTGCTGAGAGAGAGTCAACATC 2760
Db 2776 TGGCGAGAACCCAAAGCTATGCTGTGTGCAATTTCTGCTGAGAGAGAGTCAACATC 2835
Qy 2761 TGGAAAAACATAGATTTCTGGCTGAAGAGTGGGATCTTGCAGAGGACCTGTACTGCATC 2820
Db 2836 TGGAAAAACATAGATTTCTGGCTGAAGAGTGGGATCTTGCAGAGGACCTGTACTGCATC 2895
Qy 2821 CTGCTCAACGCTTTGACCTGCTACTTTTGGAAAAAATACTAAGTACAAAGTAC 2880
Db 2896 CTGCTCAACGCTTTGACCTGCTACTTTTGGAAAAAATACTAAGTACAAAGTAC 2955
Qy 2881 TCGAAGCTGTGATGATGCTACTCTCAAGAGACTGTGACCTGTGCAGACCTGTACAGCTGC 2940
Db 2956 TCGAAGCTGTGATGATGCTACTCTCAAGAGACTGTGACCTGTGCAGACCTGTACAGCTGC 3015
Qy 2941 GCCATCATGGAAGCGAGATGTAGAGAGAGAGCTTATCCAGCAAGAA-TCATCTC 2999
Db 3016 GCCATCATGGAAGCGAGATGTAGAGAGAGAGCTTATCCAGCAAGAAAGTCACTT 3075
Qy 3000 TTGGGAAATCAATCAATTTTACTCCAGAGAGACTTCTGTGATGATTTGACTCAGTCCG 3059
Db 3076 TTGGGAAATCAATCAATTTTACTCCAGAGAGACTTCTGTGATGATTTGACTCAGTCCG 3135

Qy 3060 CTGAAGATCTCTGAGAGGCGCCAGACATGAGACTGTGAGAGAGAGACTGCTGCTCACT 3119
Db 3136 CTGAAGATCTCTGAGAGGCGCCAGACATGAGACTGTGAGAGAGAGACTGCTGCTCACT 3195
Qy 3120 GCTCTCTACCTTCATAGACACTTTCAGAGCTGCGGCAATTTGAGTGCAGATCTGTG 3179
Db 3196 GCTCTCTACCTTCATAGACACTTTCAGAGCTGCGGCAATTTGAGTGCAGATCTGTG 3255
Qy 3180 CAACACCACTGCTGGAATCTTTCATTTGTGAGCTTATCAGATGTTGAATTTCAATC 3239
Db 3256 CAACACCACTGCTGGAATCTTTCATTTGTGAGCTTATCAGATGTTGAATTTCAATC 3315
Qy 3240 TTTTATTTAGTATCCAAACCTCTTCTGCTGCTCAAACTGCCAAATATATACC 3299
Db 3316 TTTTATTTAGTATCCAAACCTCTTCTGCTGCTCAAACTGCCAAATATATACC 3375
Qy 3300 ACACCTTGTGTAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAA 3334
Db 3376 ACATTTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAA 3410

RESULT 7

US-10-143-118-37
; Sequence 37, Application US/10143118
; Publication No. US20040038335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroli, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C28
; CURRENT APPLICATION NUMBER: US/10/143,118
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-143-118-37

Query Match 99.1%; Score 3303.4; DB 13; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
Qy 1 GCAGAGCAGCAGCCGAGAGACTCTGAGCCGCTACTGCGCTCACTCAGAGCAACGCTATG 60
Db 76 GCAGAGCAGCAGCCGAGAGACTCTGAGCCGCTACTGCGCTCACTCAGAGCAACGCTATG 135
Qy 61 GCTGAGCTGGGACAGACCAACATCTCTCCGCGAGATCAGGGGAGAACTGAGAGGCGC 120
Db 136 GCTGAGCTGGGACAGACCAACATCTCTCCGCGAGATCAGGGGAGAACTGAGAGGCGC 135

OY	121	TTACCCCGGCTGTGGCGGCTGTGCTGTCTGTGGGCTGGGACCGGCTTCCAGTGTGACCAAGGAA	180
Db	196	ATACCCCGGCTGTGGCGGCTGTGCTGTGTGGGCTGGGACCGGCTTCCAGTGTGACCAAGGAA	255
OY	181	ACGGGACCGGAGCTTCACGCGCTGCACCAAGAGTCTGTAGTACCACTATGTAGTACACGGCGTGT	240
Db	256	ACGGGACCGGAGCTTCATGTCCGTGCACCAAGAGTCTGTAGTACCACTATGTAGTACACGGCGTGT	315
OY	241	GACAGCACGGGTTCCAGGTGTGAGGGTGTGCGCGTGTGCGGCATACCCCGGGGCTGTGTGCACAGC	300
Db	316	GACAGCACGGGTTCCAGGTGTGAGGGTGTGCGCGGCAGTACCCCGGGGCTGTGTGCACAGC	375
OY	301	CTGCCTGACCCCGGTCAAGGGCACACAGTGTCTCTTCTCTCTGCACAGCGGGGAGTTTCTG	360
Db	376	CTGTCTGACCCCGGTCAAGGGCACACAGTGTCTCTTCTCTCTGCACAGCGGGGAGTTTCTG	435
OY	361	GATATGAAGGACAGTCATGTATAGCCATGTCCGTGTAGAGGCGCTACTTCCCTCGGCACAGGC	420
Db	436	GATATGAAGGACAGTCATGTATAGCCATGTCCGTGTAGAGGCGCGCTACTTCCCTCGGCACAGGC	495
OY	421	ATTGGGTTTGTAGTGGGATGTAGCTGCGCCCATGTGGTTTGTGCAGGCTCTCAGCCAAATG	480
Db	496	ATTGGGTTTGTAGTGGGATGTAGCTGCGCCCATGTGGTTTGTGCAGGCTCTCAGCCAAATG	555
OY	481	GAGCTGTATGACAGTGTCTGTAGTCCACCGGAACTGTACTTGTGTCCAAAGTGGATTCCC	540
Db	556	GAGCTGTATGACAGTGTCTGTAGTCCACCGGAACTGTACTTGTGTCCAAAGTGGATTCCC	615
OY	541	CGGGGCGACTATGTGCTTCAACACGACCAATGTACAGCCACACACTATGTATGACCGCGTC	600
Db	616	CGGGGCGACTATGTGCTTCAACACGACCAATGTACAGCCACACACTATGTATGACCGCGTC	675
OY	601	AACCTGAAGCAATCTGGCACCGCTTAATCTGAACTACTATATCCAGACTCCAGCAATCATC	660
Db	676	AACCTGAAGCAATCTGGCACCGCTTAATCTGAACTACTATATCCAGACTCCAGCAATCATC	735
OY	661	TTTGAATTTTGTTCAGATATACAGTGTCCAGCCCAATGTCAAGATGATCTCCAGGTGTATG	720
Db	736	TTTGAATTTTGTTCAGATATACAGTGTCCAGCCCAATGTCAAGATGATCTCCAGGTGTATG	795
OY	721	AAGACACACAGAGAAAGGATGGGAAATTCCACAGTGTGTGAGCTTAATATCGAGGCAATATATGC	780
Db	796	AAGACACACAGAGAAAGGATGGGAAATTCCACAGTGTGTGAGCTTAATATCGAGGCAATATATGC	855
OY	781	CTCTATTGTGAGAACCAAGCGCTTCTCTCATGTATGACCAACAAATGCCAAGCTGTGTGCTG	840
Db	856	CTCTATTGTGAGAACCAAGCGCTTCTCTCATGTATGACCAACAAATGCCAAGCTGTGTGCTG	915
OY	841	AGAAACATTGGCCATPAACAGGGGTGGGCTTCACTTGAGAAATGTTCCCTGTGCACCAACTGTGC	900
Db	916	AGAAACATTGGCCATPAACAGGGGTGGGCTTCACTTGAGAAATGTTCCCTGTGTGCACCAACTGTGC	975
OY	901	ACGTATGACAGACAGCGGCTCTCTTTCTGTGCAAACTTTGTGCCACGCAACTCTTATTTCA	960
Db	976	ACGTATGACAGACAGCGGCTCTCTTTCTGTGCAAACTTTGTGCCACGCAACTCTTATTTCA	1035
OY	961	AATAAAGAGAAACTTTTGTGCCACACAGTGTACCCCTGCACAAATATCTCAGAGAAAGATCT	1022
Db	1036	AATAAAGAGAAACTTTTGTGCCACACAGTGTACCCCTGCACAAATATCTCAGAGAAAGATCT	1099
OY	1021	TCTTCTCTGTAACTGTGGCCAGCTTGTGCACAGCAAAAGATTATTTCTACACACACAGGCGC	1080
Db	1096	TCTTCTCTGTAACTGTGGCCAGCTTGTGCACAGCAAAAGATTATTTCTACACACACAGGCGC	1155
OY	1081	TGCGATGCCACAGGAGAGACACAATCTCATGTACAAATGGGCGCAAGCCGAAAATCTGTATGC	1144
Db	1156	TGCGATGCCACAGGAGAGACACAATCTCATGTACAAATGGGCGCAAGCCGAAAATCTGTATGC	1211
OY	1141	GAGGACCTTGAGGGGGGAGTGAAGCTGTGCTGTGTGTGAAAGACCACTGTGCCACCC	1200
Db	1216	GAGGACCTTGAGGGGGGAGTGAAGCTGTGCTGTGTGTGAAAGACCACTGTGCCACCC	1275
OY	1201	TGCACCAAGGCTTCTTCAAAACCAACAACAGACTGTGCCAGCGCTGCCCATATGTGTTCC	1260

Db	1276	TGCAACCCAGGCTTCTTCAAAACCAACAAGACCTGCCAGCCCTGCCATATGATTCC	1335
OY	1261	TACTCCAAATGGCTCAGACTGTATACCGCGTGCCTGCAGAGGAACTGAACCTGCTGTGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGTATACCGCGTGCCTGCAGAGGAACTGAACCTGCTGTGGATTT	1355
OY	1321	GAATACAAATGGTGGAAACAAGCTGCCCAAAACAATGGAAACGACCGTTCTCAGTGGGATC	1380
Db	1396	GAATACAAATGGTGGAAACAAGCTGCCCAAAACAATGGAAACGACCGTTCTCAGTGGGATC	1455
OY	1381	AACCTTCAGATCAAAAGGCAATGACAGCGTGGAGGTGGCTGGTGCATCATTTTACAGACT	1440
Db	1456	AACCTTCAGATCAAAAGGCAATGACAGCGTGGAGGTGGCTGGTGCATCATTTTACAGACT	1515
OY	1441	GCTGGAGCCTTCAGACATATGACTTCAATTCATCTCTGGTTGGCCAGGATTTAGACCT	1500
Db	1516	GCTGGAGCCTTCAGACATATGACTTCAATTCATCTCTGGTTGGCCAGGATTTAGACCT	1575
OY	1501	CCGCACTCGGTGATGGAGACACACAGAGATTAAGAGTGGCCAGAAATCACATTTGTCTTT	1560
Db	1576	CCGCACTCGGTGATGGAGACACACAGAGATTAAGAGTGGCCAGAAATCACATTTGTCTTT	1635
OY	1561	GAGAACCTCTGTCTTGGAATGTGAGCTCTAATCTTACGTGGGTGGAAATTTAGAAC	1620
Db	1636	GAGAACCTCTGTCTTGGAATGTGAGCTCTAATCTTACGTGGGTGGAAATTTAGAAC	1695
OY	1621	AACACTCCTGTGAGAGGTGGAAAGTTCCAAAGGCAACAGTCCCTATACCTATCATATT	1680
Db	1686	AACACTCCTGTGAGAGGTGGAAAGTTCCAAAGGCAACAGTCCCTATACCTATCATATT	1755
OY	1681	GAGAGAAACAATACCAAGAGCTTACCTGGGCTTCAGAGACCACTTTTCATGAGCA	1740
Db	1756	GAGAGAAACAATACCAAGAGCTTACCTGGGCTTCAGAGACCACTTTTCATGAGCA	1815
OY	1741	AGCAGGAATGACACCAATGACGTGGCCAAGATCTACCTCAATATGTACCAATGTTATG	1800
Db	1816	AGCAGGAATGACACCAATGACGTGGCCAAGATCTACCTCAATATGTACCAATGTTATG	1875
OY	1801	AATGCGGTGGCTCTACTGACCGTCCCTGTGCTCCAGAGCCTCTGATGTGGGCTCTCC	1860
Db	1876	AATGCGGTGGCTCTACTGACCGTCCCTGTGCTCCAGAGCCTCTGATGTGGGCTCTCC	1935
OY	1861	TGCACCTTGTCTCTGCTGTGTACTATATGTGACCGAATTCAGGAATCTGGCAATCCCTGC	1920
Db	1936	TGCACCTTGTCTCTGCTGTGTACTATATGTGACCGAATTCAGGAATCTGGCAATCCCTGC	1995
OY	1921	CCCCCTAACCAATTCGTGAAGCCACACAGCCTTATGGTGTGCACAGGCTGTGTGCCCTGT	1980
Db	1996	CCCCCTAACCAATTCGTGAAGCCACACAGCCTTATGGTGTGCACAGGCTGTGTGCCCTGT	2055
OY	1981	GGTCCAGGGAACCAAGAACACAGATCATCTCTGTGTCTATGATGTGACCTTCTCA	2040
Db	2056	GGTCCAGGGAACCAAGAACACAGATCATCTCTGTGTCTATGATGTGACCTTCTCA	2115
OY	2041	CGCAACATCTCAACACAGGACTTTCAACTCAACTTCCTCGGTTTGGCAAAACACGCTACT	2100
Db	2116	CGCAACATCTCAACACAGGACTTTCAACTCAACTTCCTCGGTTTGGCAAAACACGCTACT	2175
OY	2101	CTTCTCGAGGGCCAAAGCTTCACTTCCAAAGGTTGAAATATCTTCATCACTTTAACCTC	2160
Db	2176	CTTCTCGAGGGCCAAAGCTTCACTTCCAAAGGTTGAAATATCTTCATCACTTTAACCTC	2235
OY	2161	AGTCTCTGTGGAACCAAGGATGGAATAATGTCTGTGTGCACCGACATGTACTGACCTC	2220
Db	2236	AGTCTCTGTGGAACCAAGGATGGAATAATGTCTGTGTGCACCGACATGTACTGACCTC	2295
OY	2221	CGGATTCCTGAGGATGAGTCAAGGATTCCTCAAAATCTATCACAGCTTACGTGTGCAGCA	2280
Db	2296	CGGATTCCTGAGGATGAGTCAAGGATTCCTCAAAATCTATCACAGCTTACGTGTGCAGCA	2355
OY	2281	GTCATATCCCCCAAGGTGACAGGCTTACAGGCCCGGGGTTTCTCAACACCTGTGACG	2340

QY	481	GAGCTGATGATGACAGTGGCTGTGATGATCCACCGGAACTGTATCTTGGTCCAAAGGGATTC	540
Db	556	GAGCTGATGATGACAGTGGCTGTGATGATCCACCGGAACTGTATCTTGGTCCAAAGGGATTC	615
QY	541	CGGGGCGACTATCGACCTTCAACACGAGCGAATGACAGCCACACTGATGTACGGCGTC	600
Db	616	CGGGGCGACTATCGACCTTCAACACGAGCGAATGACAGCCACACTGATGTACGGCGTC	675
QY	601	AACCTGAAGCAATCTGGACCGGTTAACTTGGAAATCTACTATCCAGATCTCCAGATGATC	660
Db	676	AACCTGAAGCAATCTGGACCGGTTAACTTGGAAATCTACTATCCAGATCTCCAGATGATC	735
QY	721	TTTGAGTTTTTCGTTCAGATATGACCAAGTGCACAGCCCAATGAGATGACTCCAGGTGATG	720
Db	726	TTTGAGTTTTTCGTTCAGATATGACCAAGTGCACAGCCCAATGAGATGACTCCAGGTGATG	795
QY	781	CTCTATTGAGAGACCAAGCCTTCTCAGATATGACCAAGTATCCAAAGTATCCAAAGTATGTC	840
Db	856	CTCTATTGAGAGACCAAGCCTTCTCAGATATGACCAAGTATCCAAAGTATGTC	915
QY	841	AGAAACATTGCCATACAGGGGTGGCTTACACTTCAGATGCTTCCCTGCAACCTGGC	900
Db	916	AGAAACATTGCCATACAGGGGTGGCTTACACTTCAGATGCTTCCCTGCAACCTGGC	975
QY	901	AAGATATGACACACAGAGGCTCCCTCTTCTGCAAACTTTGGCCAGCCCACTATATATCA	960
Db	976	AAGATATGACACACAGAGGCTCCCTCTTCTGCAAACTTTGGCCAGCCCACTATATATCA	1035
QY	961	AATAAGAGAGAACTTCTTGGCCACCAAGTGTACCTCTGCAATACTCAGAGAAAGATCT	1020
Db	1036	AATAAGAGAGAACTTCTTGGCCACCAAGTGTACCTCTGCAATACTCAGAGAAAGATCT	1095
QY	1021	TCTTCTCTGTAACTGTCGGCCAGCTTGGCACAGCAAAAGTATTTCTACACACAGGCC	1080
Db	1086	TCTTCTCTGTAACTGTCGGCCAGCTTGGCACAGCAAAAGTATTTCTACACACAGGCC	1155
QY	1081	TGCGATGCGAACCGAGAGACAACTCATGTACAAATGGGCGCAAGCCGAAATCTGTATGC	1140
Db	1156	TGCGATGCGAACCGAGAGACAACTCATGTACAAATGGGCGCAAGCCGAAATCTGTATGC	1215
QY	1141	GAGGACCTTGAAGGGGCAAGTAAAGCTGCTGCTGTGTGTATGAGACCACTGCCACCC	1200
Db	1216	GAGGACCTTGAAGGGGCAAGTAAAGCTGCTGCTGTGTGTATGAGACCACTGCCACCC	1275
QY	1201	TGCAACCCAGAGCTTCTTCAAAACCAAAACAGACCTGCGACGCCCTGCCTATATGTTGC	1260
Db	1276	TGCAACCCAGAGCTTCTTCAAAACCAAAACAGACCTGCGACGCCCTGCCTATATGTTGC	1335
QY	1261	TACTCCAAATGCTCAGACTGTATCCCGGTGCTGCGAGGACCTGAACCTGCTGTGGATTT	1320
Db	1336	TACTCCAAATGCTCAGACTGTATCCCGGTGCTGCGAGGACCTGAACCTGCTGTGGATTT	1385
QY	1331	GAATTCAAATGGTGGAAACACCGTGGCCCAAAACATGAAAGACACCGTCTCAGTGGATC	1380
Db	1396	GAATTCAAATGGTGGAAACACCGTGGCCCAAAACATGAAAGACACCGTCTCAGTGGATC	1455
QY	1381	AACCTTCAGATACAAAGGCGATGACAGGCTGGAGGTGGCTGTGTATCACAATTACACAGCT	1440
Db	1456	AACCTTCAGATACAAAGGCGATGACAGGCTGGAGGTGGCTGTGTATCACAATTACACAGCT	1515
QY	1441	GCTGAGGCTCAGACAAATGACTTCAATGATCTCACTCTGGTTGTGCCAGGATTTAGACT	1500
Db	1516	GCTGAGGCTCAGACAAATGACTTCAATGATCTCACTCTGGTTGTGCCAGGATTTAGACT	1575
QY	1501	CCGCAAGTGGTATGGACAGACACAGAGAAATAAGAGTGGCCAGAAATCACAATTTGCTCTTT	1560
Db	1576	CCGCAAGTGGTATGGACAGACACAGAGAAATAAGAGTGGCCAGAAATCACAATTTGCTCTTT	1635
QY	1561	GAGACCTCTGTTCTGTGATCTGTAGCTCTATCTTCATGATGGGTGTGAATTTTAGAAC	1620

Ds	1636	GAGACCTCTGTTCTGTGAACGTGACCTCTACTTCAATGATGGGTGTGAATCTTAGAAC	1695
Qy	1621	AACACTCTCTGTGAGACGTGGAAGGTTCCAAAGGCAACAGTCTCTATACCTATCATCTT	1680
Ds	1696	AACACTCTCTGTGAGACGTGGAAGGTTCCAAAGGCAACAGTCTCTATACCTATCATCTT	1755
Qy	1681	GAGAGAAACAATACACAGAGCTTCAACCTGGGCTTCCAGAGGACCACTTTTCAAGAGCA	1740
Ds	1756	GAGAGAAACAATACACAGAGCTTCAACCTGGGCTTCCAGAGGACCACTTTTCAAGAGCA	1815
Qy	1741	AGCAGGAAGTACACCAATGACGTTGCCAAGATCTACTTCATCAATGTCAACCATGTTATG	1800
Ds	1816	AGCAGGAAGTACACCAATGACGTTGCCAAGATCTACTTCATCAATGTCAACCATGTTATG	1875
Qy	1801	AATGGCGTGGCTCTACTGCGCGCTCGCTGACCTTAAGAGCTGTGATGTGGGCTCGCTCC	1860
Ds	1876	AATGGCGTGGCTCTACTGCGCGCTCGCTGACCTTAAGAGCTGTGATGTGGGCTCGCTCC	1935
Qy	1861	TGCACCTCTTGTCCTGCTGTGTTACTATATATGACCGAATTCAGGAACCTGCACTCTGC	1920
Ds	1936	TGCACCTCTTGTCCTGCTGTGTTACTATATATGACCGAATTCAGGAACCTGCACTCTGC	1995
Qy	1921	CCCCCTTAACAAATTCGTGAAGCCGACCAAGCTTTATGGTGTCCAGGCTGTGTGCTCTGT	1980
Ds	1996	CCCCCTTAACAAATTCGTGAAGCCGACCAAGCTTTATGGTGTCCAGGCTGTGTGCTCTGT	2055
Qy	1981	GGTCAGAGGACCAAGAACAAAGATGCACTCTGTGTGCTCAATGATGACACTTCTCA	2040
Ds	2056	GGTCAGAGGACCAAGAACAAAGATGCACTCTGTGTGCTCAATGATGACACTTCTCA	2115
Qy	2041	CGCAACCTCCACCAAGAGCTTTCAACTACACTTCTCCGCTTTGGCAACACCGTCACT	2100
Ds	2116	CGCAACCTCCACCAAGAGCTTTCAACTACACTTCTCCGCTTTGGCAACACCGTCACT	2175
Qy	2101	CTTGCTGAGGGGCCAAGCTTCACTCCAAAGGGTGTGAATTCCTCAATCACTTAATCCCTC	2160
Ds	2176	CTTGCTGAGGGGCCAAGCTTCACTCCAAAGGGTGTGAATTCCTCAATCACTTAATCCCTC	2235
Qy	2161	AGTCTCTGTGAAACCAAGGTAGGAAATGTCTGTGTGCACCGAACAAATGTCACTGACCTC	2220
Ds	2236	AGTCTCTGTGAAACCAAGGTAGGAAATGTCTGTGTGCACCGAACAAATGTCACTGACCTC	2295
Qy	2221	CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATCAAGGCTAAGTGTGCAAGCA	2280
Ds	2296	CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATCAAGGCTAAGTGTGCAAGCA	2355
Qy	2281	GTCATCATCCCCCAGAGGTGACAGGCTTACAAAGCCGGGGTTTCTCAACAGCTGTGAGC	2340
Ds	2356	GTCATCATCCCCCAGAGGTGACAGGCTTACAAAGCCGGGGTTTCTCAACAGCTGTGAGC	2415
Qy	2341	CTTGCTGATGCACTTATTTGGGGTGAACAACAGATATGACTCTGATGTGAATTAACCTCCCA	2400
Ds	2416	CTTGCTGATGCACTTATTTGGGGTGAACAACAGATATGACTCTGATGTGAATTAACCTCCCA	2475
Qy	2401	GCTGAACCTTTCCACCTGGAAGTCTGTGGGAAATACCGGACGTGATCTTTTATAGGTCC	2460
Ds	2476	GCTGAACCTTTCCACCTGGAAGTCTGTGGGAAATACCGGACGTGATCTTTTATAGGTCC	2535
Qy	2461	AATGATGTGACCAAGTCTCTGCAGTTCTGGGAGATCAACACCAATCCGCGTCAAGTCAAGT	2520
Ds	2536	AATGATGTGACCAAGTCTCTGCAGTTCTGGGAGATCAACACCAATCCGCGTCAAGTCAAGT	2595
Qy	2521	CCACAGAAAACTGACCTCGGAAGTTCTGTGTGCAAGAAAGTGTCAAGATGGGACCTGT	2580
Ds	2596	CCACAGAAAACTGACCTCGGAAGTTCTGTGTGCAAGAAAGTGTCAAGATGGGACCTGT	2655
Qy	2581	GATGGCTGCAACTTCACTTCTGTGGGAGAGCGCGGCTGCTTCCGCTGTGTCACATG	2640
Ds	2656	GATGGCTGCAACTTCACTTCTGTGGGAGAGCGCGGCTGCTTCCGCTGTGTCACATG	2715
Qy	2641	GCTGATTCATGCTATCTGTACAGAGCTGTGTGGCTGGGATCCAGAAAGATCACTTAAGTG	2700

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: CURRENT FILING DATE: 2003-04-03
: PRIOR APPLICATION NUMBER: 60/044911
: PRIOR FILING DATE: 1997-06-18
: PRIOR APPLICATION NUMBER: 60/056974
: PRIOR FILING DATE: 1997-08-26
: PRIOR APPLICATION NUMBER: 60/059113
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/059115
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/059117
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/059122
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: PRIOR APPLICATION NUMBER: 60/059184
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/059263
: PRIOR FILING DATE: 1997-09-18
: PRIOR APPLICATION NUMBER: 60/059352
: PRIOR FILING DATE: 1997-09-19
: PRIOR APPLICATION NUMBER: 60/059588
: PRIOR FILING DATE: 1997-09-19
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 37
: LENGTH: 3501
: TYPE: DNA
: ORGANISM: Homo Sapien
: FEATURE:
: NAME/KEY: unsure
: LOCATION: 2762, 2778
: OTHER INFORMATION: unknown base
US-10-158-787-37

Query Match          99.1%; Score 3303.4; DB 13; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

QY      1 GCAGAACGACGACCGCCGAGACCTTGAGCCGCTACTCGCGCTACCTCAGACACACGCTATG 60
DB      76 GCAGAACACACGCGCGAGACCTTGAGCCGCTACTGCGCTACCTCAGACACGCTATG 135
QY      61 GCTGAGCGCTGGGCACACCCACATCTCTCCGCCAGATCAGGGGAAACTGAGAGCGC 120
DB     136 GCTGAGCGCTGGGCACACCCACATCTCTCCGCCAGATCAGGAAACACTGAGAGCGC 195
QY     121 ATACCCCGGCTGTGGCGGCTGCTGCTTGGGCTGGGACCGGCTTCCAGGTGACCCAGGGA 180
DB     196 ATACCCCGGCTGTGGCGGCTGCTGCTTGGGCTGGGACCGGCTTCCAGGTGACCCAGGGA 255
QY     181 ACGGGACCGGAGCTTCAAGCGCTGCAAGAGAGCTGAGTACACTATGAGTACACGCGCTGT 240
DB     256 ACGGGACCGGAGCTTCAAGCGCTGCAAGAGAGTGTGAGTACCACTATGAGTACACGCGCTGT 315
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DB     316 GACAGCACGGGTTCCAGGTGAGAGGTTCCCGGTCCGATACCCCGGGCTGTGTGACCAAGC 375
QY     301 CTGCTCAACCCCGTCAAGGGGCAACCGAGTGTCTTCCGCGAACCGCGGGGAGTTTCTG 360
DB     376 CTGCTCAACCCCGTCAAGGGGCAACCGAGTGTCTTCTTCTGTGCAACCGCGGGGAGTTTCTG 435
QY     361 GATATGAGGACCAAGTCAATGTAAGCCATGCGCTGAGGGGCGGCTACTCCCTGCGACAGGC 420
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QY     421 ATTGGGTTTGAATGATGGGATGAGCTGCGCCCATGAGCTTTTCCAGCGCCTTCAAGCAATG 480
DB     496 ATTGGGTTTGAATGATGGGATGAGCTGCGCCCATGAGCTTTTCCAGCGCCTTCAAGCAATG 555
QY     481 GAGCTGATACAGATGCTGTGAGTCCACCGGGAACTGTACTTGTGTCCAAGTGGGTTCCC 540
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QY 541 CGGGGCGACTACATCCGCTTCAACAGCGACGAATGACAGCACACTGATGTAACGCCGTC 600
| | | | |
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| | | | |
QY 601 AACCTGAGCAATCTGGACCCGTTAACTTGAACTACTATCTCAAGATCTCCAGCATATC 660
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Db 736 TTTGAGTTTTCGTTGAGAAATGACAGTGCACGCCAATGATCTCCAGTGGATG 795
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QY 1141 GAGACCTTGAAGGGGAGTGAAGCTGCTGCTGTGTGTGAAGACCACTGCGCCAGCC 1200
| | | | |
Db 1216 GAGACCTTGAAGGGGAGTGAAGCTGCTGCTGTGTGTGAAGACCACTGCGCCAGCC 1275
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| | | | |
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| | | | |
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| | | | |
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| | | | |
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| | | | |
Db 2596 CACAGAAAACGTGCTCGAGAAATTTGCTGTGCGCAGAAAGTGTCTGAGAGGAGCTGT 2655
| | | | |
QY 2581 GATGCTGCAACTTCCACTTCTGTGAGAGACGCGGCTGTGCTGCTGCTCAAGT 2640
| | | | |
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| | | | |
QY 2641 GCTGACTACATGCTATGTGACAGCTGTGTGCTGGGATTCAGAAACATTAATTAAGTG 2700
| | | | |
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RESULT 10
US-10-140-024-37
; Sequence 37, Application US/10140024
; Publication No. US20040058424A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Macanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1069
; CURRENT APPLICATION NUMBER: US/10/140,024
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37

LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-140-024-37

Query Match 99.1%; Score 3303.4; DB 13; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

Qy 1 GCAGAGAGAGAGCCGAGAGCCTGACCCGCTATGCGCGTCACTGAGCAACGCTATG 60
Db 76 GCAGAGAGAGAGCCGAGAGCCTGACCCGCTATGCGCGTCACTGAGCAACGCTATG 135
Qy 61 GCTGAGCCTGGGAGCAGAGCAGCATCTCTCCGAGAGTCAAGGAGAGAGAGGCGC 120
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Qy 181 ACAGGACCGAGAGCTTCAAGCTGCAAGAGTGTAGTACATATAGTACACAGCGCTGT 240
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Qy 241 GACAGACAGGCTTCCAGGTGAGAGGTGCGGCTGCGCATACCCGCGCTGTGACACAGC 300
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Db 376 CTGCTGACCCCGTCAAGAGGAGCAGAGAGCTCTTCTCTGCAACGCGCGGAGTTCTG 435
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Qy 481 GAGCTGATGACAGTGTGCTGAGTGCACCGGAGTGTACTTCTGTCAGAGTGGTTCC 540
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QY 3060 CTGAAGACATCTCAGGAGGCGCCAGACATGAGCTGTGAGAGGAGCTGCGCTCACT 3119

Db	3136	GTGAAGACATCTCAGGAGGGCCAGACATGACCTGTAGAGGACACTCCGCTCACT	3195
Qy	3120	GCTTCCTCACCCTTGATGATGACACTTTTGGAAACCCTGGGGCGATTGGGGCCAGATCCTG	3179
Db	3196	GCCCTCTCACCTTGATGACACTTTGGAAACCCTGGGGCGATTGGGGCCAGATCCTG	3255
Qy	3180	CAACACCACCTGCTGGAATCTCTCATGTGGGCTTACATGATTGAAATTCAGATC	3239
Db	3256	CAACACCACCTGCTGGAATCTCTCATGTGGGCTTACATGATTGAAATTCAGATC	3315
Qy	3240	TTTTTTTATAGATGATCCCAAAACCTCTCTTCTGCTTGCTCAAACTGCGCAAAATATACCC	3299
Db	3316	TTTTTTTATAGATGATCCCAAAACCTCTCTTCTGCTTGCTCAAACTGCGCAAAATATACCC	3375
Qy	3300	ACACTTTGTTGTAATTAATAAAAAAAAAAAAAA	3334
Db	3376	ACATTTTTTATAAAAAAAAAAAAAAAAAAAAAA	3410

RESULT 11
US-10-140

; Sequence 37, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:

```

1  APPLICANT: Baker, Kevin P.
2  APPLICANT: Beresini, Maureen
3  APPLICANT: DeForge, Laura
4  APPLICANT: Desnoyers, Luc
5  APPLICANT: Filvaroff, Ellen
6  APPLICANT: Gao, Wei-Qiang
7  APPLICANT: Gerritsen, Mary E.
8  APPLICANT: Goddard, Audrey
9  APPLICANT: Godowski, Paul J.
10 APPLICANT: Gurney, Austin L.
11 APPLICANT: Sherwood, Steven
12 APPLICANT: Smith, Victoria
13 APPLICANT: Stewart, Timothy A.
14 APPLICANT: Tumas, Daniel
15 APPLICANT: Watanabe, Colin K
16 APPLICANT: Wood, William
17 APPLICANT: Zhang, Zemin
18 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
19 TITLE OF INVENTION: ACIDS ENCODING THE SAME
20 FILE REFERENCE: P3330R1C182
21 CURRENT APPLICATION NUMBER: US/10/140,808
22 PRIORITY FILING DATE: 2002-05-07
23 Prior Application removed - See File Wrapper or Palm
24 NUMBER OF SEQ ID NOS: 550

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; SEQ ID NO: 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762..2778
; OTHER INFORMATION: unknown base
US-10-140-808-37

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Query Match	99.1%	Score 3303.4;	DB 13;	Length 3501;
Best Local Similarity	99.6%	Pred. No. 0;		
Matches 3321; Conservative	0;	Mismatches 13;	Indels 1;	Gaps 1.

Oy	1	GCAGAGCAGCAGCCCGCAGCACTTGAGCCGCTACTGCCCTCACTCAGAGACACGGTATG	60
Db	76	GCAGAGCAGCAGCCCGCAGCACTTGAGCCGCTACTGCCGCTCACTCAGAGACACGGTATG	135
Oy	61	GCTGAGCCTGGGCACAGCCACCATTCTTCGCCCAAGTCAGGGGAAGAATTGAGAGGGCC	120
Db	136	GCTGAGCCTGGGCACAGCCACCATTCTTCGCCCAAGTCAGAGGAAGAATTGAGAGGGCC	195
Oy	121	ATACCCGGCGTGGCGGCGCTGCTGCTGGGGTGGGACCGCGCTTCACAGTGCACCAAGGA	180
Db	196	ATACCCGGCGTGGCGGCGTGTGCTCTTGAGGCTGGACCGCGCTTCACAGTGCACCAAGGA	255

QY	181	ACGGGACCGGAGCTTCAAGCTGCAAGAGCTGAGTACACATATGATGACACCGCTGT	240
Db	256	ACGGGACCGGAGCTTCAAGCTGCAAGAGCTGAGTACACATATGATGACACCGCTGT	315
QY	241	GACAGCAAGGTTCCAGGTGAGGGGTGCGGTGCGCATACCCGGGCTGTGTGACACAGC	300
Db	316	GACAGCAAGGTTCCAGGTGAGGGGTGCGGTGCGCATACCCGGGCTGTGTGACACAGC	375
QY	301	CTGACCTAACCCGCTTCAGAGGCGACCGAGTGTCTCTTCTCTGCAACGCGCGGAGATTTCTG	360
Db	376	CTGTCTAACCCTTCAGAGGCGACCGAGTGTCTCTTCTCTGCAACGCGCGGAGATTTCTG	435
QY	361	GATATGAAAGAACCACTATGTAGCCATGCGCTGAGGGCCGGCTACTCCCTCGGACACGC	420
Db	436	GATATGAAAGAACCACTATGTAGCCATGCGCTGAGGGCCGGCTACTCCCTCGGACACGC	495
QY	421	ATTGCGATTGATGATGAGTGGATGAGCTGCCCATGGCTTTGCGACGCTCTGACGCAAGTG	480
Db	496	ATTGCGATTGATGATGAGTGGATGAGCTGCCCATGGCTTTGCGACGCTCTGACGCAAGTG	555
QY	481	GAGCTGATGACATGCTGCTGTGAGTCCAACGGGAACTGTACTTGTGTCAAGTGGATGCC	540
Db	556	GAGCTGATGACATGCTGCTGTGAGTCCAACGGGAACTGTACTTGTGTCAAGTGGATGCC	615
QY	541	CGGGGCGACTCATGCGCTTTCACACGAGCGAATGACAGCACTGATGTACCGCGTC	600
Db	616	CGGGGCGACTCATGCGCTTTCACACGAGCGAATGACAGCACTGATGTACCGCGTC	675
QY	601	AACCTGGAAGCATCTGCGCACCGTTAACTTGGAAATCACTATCCAGACTCCAGATCATC	660
Db	676	AACCTGGAAGCATCTGCGCACCGTTAACTTGGAAATCACTATCCAGACTCCAGATCATC	735
QY	661	TTTGAAGTTTTGTTGAGATGACACAGTCCAGGCCAATGCAGATGATCCGAGGTGATG	720
Db	736	TTTGAAGTTTTGTTGAGATGACACAGTCCAGGCCAATGCAGATGATCCGAGGTGATG	795
QY	721	AAGACCAACAGGAAGATGAGGAATTCACAGTGTGAGAGTAAATGAGAGCAATATATGTC	780
Db	796	AAGACCAACAGGAAGATGAGGAATTCACAGTGTGAGAGTAAATGAGAGCAATATATGTC	855
QY	781	CTCATATTGGAAMACACAGCGCTTCTCATGATATGACCAAAGTACCCAAAGCTGTGTGTC	840
Db	856	CTCATATTGGAAMACACAGCGCTTCTCATGATATGACCAAAGTACCCAAAGCTGTGTGTC	915
QY	841	AGAAACATTTGGCAATACAGGGGTGGCTTACCTTCAGAAATGCTCCCTGCAAACTGGGC	900
Db	916	AGAAACATTTGGCAATACAGGGGTGGCTTACCTTCAGAAATGCTCCCTGCAAACTGGGC	975
QY	901	ACGATATGCAGACAAAGAGGCTCTCTTCTTTCGAAACTTTGCGACGCAACTCTTATATCA	960
Db	976	ACGATATGCAGACAAAGAGGCTCTCTTCTTTCGAAACTTTGCGACGCAACTCTTATATCA	1035
QY	961	AATTAAGAGAGAACTTCTTTCGCAACAGTGTACCTGACAAATCTGAGAGAAAGATCT	1020
Db	1036	AATTAAGAGAGAACTTCTTTCGCAACAGTGTGTACCTGACAAATCTGAGAGAAAGATCT	1095
QY	1021	TCTTCTGTATAAGTGGCGCCAGCTTGTGACAGACAAAGATTATTTCTACACACAGGCGC	1080
Db	1096	TCTTCTGTATAAGTGGCGCCAGCTTGTGACAGACAAAGATTATTTCTACACACAGGCGC	1155
QY	1081	TGCGATGCGCAACGAGAGACACAACTCATATGTACAAATGGGCGAAGCGGAAATCTGTAGC	1140
Db	1156	TGCGATGCGCAACGAGAGACACAACTCATATGTACAAATGGGCGAAGCGGAAATCTGTAGC	1215
QY	1141	GAGGACCTTGAAGGGGAGTGAAGCTGCTCTGTGTGTGAAGACCCACTGCCACCC	1200
Db	1216	GAGGACCTTGAAGGGGAGTGAAGCTGCTCTGTGTGTGAAGACCCACTGCCACCC	1275
QY	1201	TGCAACCCAGGCTTCTTCAAAACCAACAACAGCACTGGCAGCGCTGCGCATATATGTTCC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAAACCAACAACAGCACTGGCAGCGCTGCGCATATATGTTCC	1335

QY	1261	AACCTCAATGGCTCAAGCTGTAACCGCGCTGCCTGCAGAGGAATGAACCTGCTGTGGAAATT	1320
Db	1336	TACTTCAAATGGCTCAAGCTGTATCCCGCTGCCCTGCAGAGGACTGAACCTGCTGTGGAAATT	1395
QY	1321	GAATACAAATGGTGGAAACAACGCTGCCCAACAACATGAAAGAGACCGTGTCTAGTGGATC	1380
Db	1396	GAATACAAATGGTGGAAACAACGCTGCCCAACAACATGAAAGAGACCGTGTCTAGTGGATC	1455
QY	1381	AACCTCGAGTCAAGGGATGTAACAGGCTGGAGAGGTGCCTGGTATCACTTTAACAAGCT	1440
Db	1456	AACCTCGAGTCAAGGGATGTAACAGGCTGGAGAGGTGCCTGGTATCACTTTAACAAGCT	1515
QY	1441	GCTGAGCGCTCAGACAATGACTTATGATTTCTACTCTGTGTTGTGCCAGATTTTAAAGCT	1500
Db	1516	GCTGAGCGCTCAGACAATGACTTATGATTTCTACTCTGTGTTGTGCCAGATTTTAAAGCT	1575
QY	1501	CCGCAATGCTGATGAGCAGACACAGAGATTTAAAGGTGGCCAGATTCACATTTGTCTTT	1560
Db	1576	CCGCAATGCTGATGAGCAGACACAGAGATTTAAAGGTGGCCAGATTCACATTTGTCTTT	1635
QY	1561	GAGACCCCTCTGTTCTGTGAATGTGAGCTCTACTTCATGAGTGAGGTGAATTTAGAGAC	1620
Db	1636	GAGACCCCTCTGTTCTGTGAATGTGAGCTCTACTTCATGAGTGAGGTGAATTTAGAGAC	1695
QY	1621	AACACTCCTGTGAGAGCGTGGAAAAGTTCCAAAGCAACAGTCCATATCCTACATCATTT	1680
Db	1696	AACACTCCTGTGAGAGCGTGGAAAAGTTCCAAAGCAACAGTCCATATCCTACATCATTT	1755
QY	1681	GAGAGAAACATCAACAAGAGCTTCAACCTGGGCGCTTCCAGAGACACACTTTCAAGAGCA	1740
Db	1756	GAGAGAAACATCAACAAGAGCTTCAACCTGGGCGCTTCCAGAGACACACTTTCAAGAGCA	1815
QY	1741	AGCAGGAAGTACACCAATGAGCGTTGCCAAGAATTCTACTCATCAATATGTCACCAATGTTATG	1800
Db	1816	AGCAGGAAGTACACCAATGAGCGTTGCCAAGAATTCTACTCATCAATATGTCACCAATGTTATG	1875
QY	1801	AATGGCGTGGCTCTCTACTGCCGTCCTGTGCTGCCCTTAGAAGCTCTGATGTGGGCTCTCC	1860
Db	1876	AATGGCGTGGCTCTCTACTGCCGTCCTGTGCTGCCCTTAGAAGCTCTGATGTGGGCTCTCC	1935
QY	1861	TGCAACCTTGTGCGCGCTGTGTTACATATTTACCGAGATTCAGGAACCTGGCACTCTGAC	1920
Db	1936	TGCAACCTTGTGCGCGCTGTGTTACATATTTACCGAGATTCAGGAACCTGGCACTCTGAC	1995
QY	1921	CCCCCTTAACACAAATCTGAAAAGCCCAACAGCTTATGGTGTCCAGAGCTGTGTGCCCTGT	1980
Db	1996	CCCCCTTAACACAAATCTGAAAAGCCCAACAGCTTATGGTGTCCAGAGCTGTGTGCCCTGT	2055
QY	1981	GGTCCAGGGACCAAGAACACAAAGATCCAGTCTCTGTGCTCAAAATGATTCAGCTTCTCA	2040
Db	2056	GGTCCAGGGACCAAGAACACAAAGATCCAGTCTCTGTGCTCAAAATGATTCAGCTTCTCA	2115
QY	2041	CGAACACTCCAACCCAGGACTTTTCAACTACAACTTCTCCGCTTTGGCAACACCGTCACT	2100
Db	2116	CGAACACTCCAACCCAGGACTTTTCAACTACAACTTCTCCGCTTTGGCAACACCGTCACT	2175
QY	2101	CTTGCTGAGAGGGCCAAAGTTCACTTCCAAAAGGTGGAAATCTTCCATCACTTTAACCCTC	2160
Db	2176	CTTGCTGAGAGGGCCAAAGTTCACTTCCAAAAGGTGGAAATCTTCCATCACTTTAACCCTC	2235
QY	2161	AGTCTCTGTGAAAACCAAGGATAGAAAATGTCTGTGTGACACCGACAATGTCACTGACCTC	2220
Db	2236	AGTCTCTGTGAAAACCAAGGATAGAAAATGTCTGTGTGACACCGACAATGTCACTGACCTC	2295
QY	2221	CGAATTCCTGAGGGTGAAGTCAAGGTTCTTCCAAATATATACAGCTTACGTCTGCCAGGCA	2280
Db	2296	CGAATTCCTGAGGGTGAAGTCAAGGTTCTTCCAAATATATACAGCTTACGTCTGCCAGGCA	2355
QY	2281	GTCATCAATCCCCCAGAGGTGACAGGCTACAAAGGCCGGGGTTTCTCTCAACAGCTGTGACG	2340
Db	2356	GTCATCAATCCCCCAGAGGTGACAGGCTACAAAGGCCGGGGTTTCTCTCAACAGCTGTGACG	2415
QY	2341	CTTGCTGATCGACTATTATGGGGTGCACAAGATATGACTCTGATGTGAATCACTCCCCA	2400

Db	2416	CTTGCTGATGACCTTATTGGGGTGACCAACAGATATGACTGTGATGGAATCACCTGCCCA	2475
OY	2401	GCTGAACTTTTCCACCTTGGAGTCTCTTGGGAAATACCGACCTGATCTTCTTTATATAGTCC	2466
Db	2476	GCTAAACTTTTCCACCTTGGAGTCTCTTGGGAAATACCGACCTGATCTTCTTTATATAGTCC	2533
OY	2461	AATGATGTAACCCAGTCCCTGAGATTCTTGGGAGATCAACACCAATCCCGGTAGGTGACAGT	2520
Db	2536	AATATATGTAACCCAGTCTCTGAGATTCTTGGGAGATCAACACCAATCCCGGTAGGTGACAGT	2599
OY	2521	CCACAGAAAATGTGCTCCGAAATTGTGCTGCTCCAGGAAGTGTCTAGATGGGACCTGT	2589
Db	2596	CCACAGAAAATGTGCTCCGAAATTGTGCTGCTCCAGGAAGTGTCTAGATGGGACCTGT	2658
OY	2581	GATGGCTGCACTTCCACTCTGTGGGAGAGCGCGGTGCTTGCCCGCTGTGCTCAGTG	2648
Db	2656	GATGGCTGCACTTCCACTCTGTGGGAGAGCGCGGTGCTTGCCCGCTGTGCTCAGTG	2715
OY	2641	GCTGACTAACATGTATCTGTGAGCAGTGTGTGAGTCCAGAACTACTTACGTG	2700
Db	2716	GCTGACTAACATGTATCTGTGAGCAGTGTGTGAGTCCAGAACTACTTACGTG	2775
OY	2701	TGCGGAGAACCCAGACTATGCTCTGTGTGGGACTTTCTCTGCTGTAGCAGAAGTCAACATC	2766
Db	2776	TGCGGAGAACCCAGACTATGCTCTGTGTGGGACTTTCTCTGCTGTAGCAGAAGTCAACATC	2833
OY	2761	TGCAAAACCATATAGATTTCTGTGCTGAAAGTGGGACCTCTGACGAGCAGCTGTATCCCATC	2822
Db	2836	TGCAAAACCATATAGATTTCTGTGCTGAAAGTGGGACCTCTGACGAGCAGCTGTATCCCATC	2899
OY	2821	CTGCTCAACCGTCTTGACCTGTACTCTTTGGAAAAAAGATCAAAAATTAAGATCAAGTAC	2886
Db	2896	CTGCTCAACCGTCTTGACCTGTACTCTTTGGAAAAAAGATCAAAAATTAAGATCAAGTAC	2955
OY	2881	TCCAAAGCTGTGATGAATGCTACTCTCAAGGACTGTGACCTGCGACAGCAGCTGACAGCTGC	2944
Db	2956	TCCAAAGCTGTGATGAATGCTACTCTCAAGGACTGTGACCTGCGACAGCAGCTGACAGCTGC	3011
OY	2941	GCCATCATGTGAAGCGAGAGATGTAGAGAGCACCTCATCTTTTACCAAGACAGA--TCACTC	2999
Db	3016	GCCATCATGTGAAGCGAGAGATGTAGAGAGCACCTCATCTTTTACCAAGAGTACACTT	3076
OY	3000	TTTGGGAAAGATCAAAATCAATTACTCCAAGAGACTCTGATGATTTGATCTCAATGCTGC	3055
Db	3076	TTTGGGAAAGATCAAAATCAATTACTCCAAGAGACTCTGATGATTTGATCTCAATGCTGC	3133
OY	3060	CTGAAGACATCTCAAGAGGCCACAGACATGAGACTGTAGAGAGCAGCTGCTGCCTCACTT	3118
Db	3136	CTGAAGACATCTCAAGAGGCCACAGACATGAGACTGTAGAGAGCAGCTGCTGCCTCACTT	3199
OY	3120	GCTTCTCACTTGATATAGACCTTTGCAAGCTGTGGCGGATTTGGGTGCGACATCTGT	3177
Db	3196	GCTTCTCACTTGATATAGACCTTTGCAAGCTGTGGCGGATTTGGGTGCGACATCTGTG	3255
OY	3180	CAACACCCACGTCTGGAAATCTCTCATTTGGGCTTATCAATGATTTTGAATTTAGATC	3233
Db	3256	CAACACCCACGTCTGGAAATCTCTCATTTGGGCTTATCAATGATTTTGAATTTAGATC	3311
OY	3240	TTTTTTTATAGATACCCAAACCTCTCTTGTGCTTGCCTCAAACTTGCCTCAAAATATACC	3299
Db	3316	TTTTTTTATAGATACCCAAACCTCTCTTGTGCTTGCCTCAAACTTGCCTCAAAATATACC	3376
OY	3300	ACACTTGTGTGAATTTAAAAAATTTAAAAAATTTAAAAA 3334	
Db	3376	ACATTTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAA 3410	

RESULT 12
US-10-152-405-37
; Sequence 37, Application US/10152405
; Publication No. US80030211571A1
; GENERAL INFORMATION:

QY	541	CGGGGGCACTACATCGGCTTCAACAGGAGGAATGCAACACACATCGATGTAGCCGTC	600
Db	616	CGGGGGCACTACATCGGCTTCAACAGGAGGAATGCAACACACATCGATGTAGCCGTC	675
QY	601	AACCTGAAGCAATCTGGCAACCGTTAACTTCCAACTACTATTCACATCTCCAGCATATC	660
Db	676	AACCTGAAGCAATCTGGCAACCGTTAACTTCCAACTACTATTCACATCTCCAGCATATC	735
QY	661	TTTGAAGTTTTGCTTCAGAAATGACCAATGGCAGCCCAAATGCATATGACTCAGTGGATG	720
Db	736	TTTGAAGTTTTGCTTCAGAAATGACCAATGGCAGCCCAAATGCATATGACTCAGTGGATG	795
QY	721	AAGACCAACAGAAAGATGGGAATTCACAGTGTGAGCTAAATCGAGGCAATATATGTC	780
Db	796	AAGACCAACAGAAAGATGGGAATTCACAGTGTGAGCTAAATCGAGGCAATATATGTC	855
QY	781	CTCTATTGGAGAACCAACAGCCTTCTCAGTATGGAACCAAGTACCCAAAGCCTGTGTGTG	840
Db	856	CTCTATTGGAGAACCAACAGCCTTCTCAGTATGGAACCAAGTACCCAAAGCCTGTGTGTG	915
QY	841	AGAAACAATTGGCATTAACAGGGGTGGCCTTACACTTCAGAAATGTCCTCCCTCAACCTGAC	900
Db	916	AGAAACAATTGGCATTAACAGGGGTGGCCTTACACTTCAGAAATGTCCTCCCTCAACCTGAC	975
QY	901	ACGATATCAGACAAAGCAGGGCTCTCTTTCGCAAACTTTGCCAAGCAACTCTTATTC	960
Db	976	ACGATATCAGACAAAGCAGGGCTCTCTTTCGCAAACTTTGCCAAGCAACTCTTATTC	1035
QY	961	AATAAAGAGAGAAATTTTGTGCCACAAATGTGACCTTGAACAATATCTAGAGAAAGATCT	1020
Db	1036	AATAAAGAGAGAAATTTTGTGCCACAAATGTGACCTTGAACAATATCTAGAGAAAGATCT	1095
QY	1021	TCTTCTCGTAAACGTGCGCCAGCTTTGGACAGACAAAGATTAATTTCTACACACACAGGCG	1080
Db	1096	TCTTCTCGTAAACGTGCGCCAGCTTTGGACAGACAAAGATTAATTTCTACACACAGGCG	1155
QY	1081	TGCGATGECCAACGAGAGAGACACAACTATGTACAAATGGGCCCAAGCCGAAATCTGTAGC	1140
Db	1156	TGCGATGECCAACGAGAGAGACACAACTATGTACAAATGGGCCCAAGCCGAAATCTGTAGC	1215
QY	1141	GAGGACCTTGAAGGGGGAGTGAAGCTGCTGCTGTGTGTGAAGACCCACTGCCACCC	1200
Db	1216	GAGGACCTTGAAGGGGGAGTGAAGCTGCTGCTGTGTGTGAAGACCCACTGCCACCC	1275
QY	1201	TGCAACCCAGGCTTCTTCAAAAACCAACACACAGCACTGCGACGCCCTGCCCCATATGTTCC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAAAACCAACACACAGCACTGCGACGCCCTGCCCCATATGTTCC	1335
QY	1261	TACTCCCATGGGCTCAGACTGACCTGACCGGTGCTGCAGAGGACTGAACCTGCTGAGGATTT	1320
Db	1336	TACTCCCATGGGCTCAGACTGACCTGACCGGTGCTGCAGAGGACTGAACCTGCTGAGGATTT	1395
QY	1321	GAATTAACAATGCTGGAACACGCTGCCCCCAACAAATGGAACGACCGTTCTCACTGAGGATC	1380
Db	1396	GAATTAACAATGCTGGAACACGCTGCCCCCAACAAATGGAACGACCGTTCTCACTGAGGATC	1455
QY	1381	AACCTTCAGATACAAAGGCGATGACAGGCTGGAGAGTGGCTGTATATCACTTTACACAGCT	1440
Db	1456	AACCTTCAGATACAAAGGCGCGATGACAGGCTGGAGAGTGGCTGTATATCACTTTACACAGCT	1515
QY	1441	GCTTGAAGCCTCAGACAACTGACTTCATGATTTCTCACTCTGTGTTGTGCGAGGATTTAGACCT	1500
Db	1516	GCTTGAAGCCTCAGACAACTGACTTCATGATTTCTCACTCTGTGTTGTGCGAGGATTTAGACCT	1575
QY	1501	CCGCAATCGGTGATGTGCAACACAGAGATTAAGAGGTGGCCGAATCAATTTGTCTTT	1560
Db	1576	CCGCAATCGGTGATGTGCAACACAGAGATTAAGAGGTGGCCGAATCAATTTGTCTTT	1635
QY	1561	GAGACCCCTGTTGTGGAACGTGAGACTTACTTCATCTGTTGGGTGGAATTTAGAGACC	1620
Db	1636	GAGACCCCTGTTGTGGAACGTGAGACTTACTTCATCTGTTGGGTGGAATTTAGAGACC	1695

Query Match	99.1%	Score 3303.4	DB 13	Length 3501
Best Local Similarity	99.6%	Pred. No. 0		
Matches 3331; Conservative	0	Mismatches 13	Indels 1	Gaps 1

QY	601	AACCTGAAGCATCTGGCACCCTTAACTTGGAAATACCTACTATACCAAGACTCCAGATGATC	660
Db	676	AACCTGAAGCATCTGGCACCCTTAACTTGGAAATACCTACTATACCAAGACTCCAGATGATC	735
QY	661	TTTGAGTTTTCGTTCCAGAAATGACCACTGCGAGCCCAATGCAGATGACTCCAGTGGATG	720
Db	736	TTTGAGTTTTCGTTCCAGAAATGACCACTGCGAGCCCAATGCAGATGACTCCAGTGGATG	795
QY	721	AAGACCAAGAAAGATGAGAAATTCACAGTGTGAAGCTAAATCGAGGCATTAATGTC	780
Db	796	AAGACCAAGAAAGATGAGAAATTCACAGTGTGAAGCTAAATCGAGGCATTAATGTC	855
QY	781	CTCATATTGGAACAACAAGCCTTTCACGTATAGAACCAAGTACCAGACCTGTGCTGGTG	840
Db	856	CTCATATTGGAACAACAAGCCTTTCACGTATAGAACCAAGTACCAGACCTGTGCTGGTG	915
QY	841	AGAAACATTTGCGCATTAACAAGGGTGGCCTTACCTTCAGAAATGCTTCCCTGCAACCTGGC	900
Db	916	AGAAACATTTGCGCATTAACAAGGGTGGCCTTACCTTCAGAAATGCTTCCCTGCAACCTGGC	975
QY	901	ACGATATGAGACAAGCAGGGCTCCTCTTTTCGCAAACTTTTGCCCAAGCAACTCTTATATCA	960
Db	976	ACGATATGAGACAAGCAGGGCTCCTCTTTTCGCAAACTTTTGCCCAAGCAACTCTTATATCA	1035
QY	961	AATAAAGAGAAACCTTCTTGGCCACAGTGTGACCCCTGACAAATATCTAGAGAAAGATCT	1020
Db	1036	AATAAAGAGAAACCTTCTTGGCCACAGTGTGACCCCTGACAAATATCTAGAGAAAGATCT	1095
QY	1021	TCTTCTCTTAAACGTGCGCCCAAGCTTTGACACAGAAATTTTCTACACACACAGGCC	1080
Db	1096	TCTTCTCTTAAACGTGCGCCCAAGCTTTGACACAGAAATTTTCTACACACACAGGCC	1155
QY	1081	TGCGATGCGCAACGAGAGACACAACAATCTATGACAAATGGGCGCAAGCCGAAATCTGTAGC	1140
Db	1156	TGCGATGCGCAACGAGAGACACAACAATCTATGACAAATGGGCGCAAGCCGAAATCTGTAGC	1215
QY	1141	GAGACCTTGAAGGGGGCAGTGAAGCTGCTGCTCTGTGTGTAAGACCCATGCCCCACC	1200
Db	1216	GAGACCTTGAAGGGGGCAGTGAAGCTGCTGCTCTGTGTGTAAGACCCATGCCCCACC	1275
QY	1201	TGCAACCCAGGCTCTTCAAAACCAACAACAGACACTGCCAGCCCTGCCATATGATGTTCC	1260
Db	1276	TGCAACCCAGGCTCTTCAAAACCAACAACAGACACTGCCAGCCCTGCCATATGATGTTCC	1335
QY	1261	TACTCCAAATGGCTCAGACTGTATCCCGCTGCCCCGACAGGACTGAACCTGCTGTGGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGTATCCCGCTGCCCCGACAGGACTGAACCTGCTGTGGGATTT	1395
QY	1321	GAATTCAAATGCTGGAACACGCTCCGCCAACATGTGAACAGACCGTCTAGTGGGATC	1380
Db	1396	GAATTCAAATGCTGGAACACGCTCCGCCAACATGTGAACAGACCGTCTAGTGGGATC	1455
QY	1381	AACCTCGAGTCAAGAGGCATACAGGCTGGGAGGTGGCTGTGTGATCACTTTACACAGCT	1440
Db	1456	AACCTCGAGTCAAGAGGCATACAGGCTGGGAGGTGGCTGTGTGATCACTTTACACAGCT	1515
QY	1441	GCTGAGCCTCAGACATGACTTCTATATTTCTACTCTGCTTTGTGGCAGATTAAGACCT	1500
Db	1516	GCTGAGCCTCAGACATGACTTCTATATTTCTACTCTGCTTTGTGGCAGATTAAGACCT	1575
QY	1501	CCGCAGTGCGTGAATGACAGACACAGAGAAATTAAGAGGTGGCCAGATCACAATTTGCTTT	1560
Db	1576	CCGCAGTGCGTGAATGACAGACACAGAGAAATTAAGAGGTGGCCAGATCACAATTTGCTTT	1635
QY	1561	GAGACCTCTGTTCTGTGAATGTGAGCTCTACTTCATGGTGGGTGTGAATTTCTAAGACC	1620
Db	1636	GAGACCTCTGTTCTGTGAATGTGAGCTCTACTTCATGGTGGGTGTGAATTTCTAAGACC	1695
QY	1621	AACAATCCTGAGAACGATGGAAGAGTTCCAAAGGCAACAGTCCATATCTACTACATCTT	1680
Db	1696	AACAATCCTGAGAACGATGGAAGAGTTCCAAAGGCAACAGTCCATATCTACTACATCTT	1755

QY	661	TTTGAAGTTTTTCGTTCCGAATGACACCAATGTCAGGCCAAACACAGATGACTCCAGTGGATG	720
Db	736	TTTAAAGTTTTTCGTTCCGAATGACACCAATGTCAGGCCAAACAGATGACTCCAGTGGATG	795
QY	721	AAGACCAACAGGAAGAGATGGGAATTCACAGTGTGAGCTAAATCGAGGCCAATATATGC	780
Db	796	AAGACCAACAGGAAGAGATGGGAATTCACAGTGTGAGCTAAATCGAGGCCAATATATGC	855
QY	781	CTCTATTGGAGAACCAACAGCTTTCTCAGTATGACCAAAATGACCCAGAGCTGTGCTGGTG	840
Db	856	CTCTATTGGAGAACCAACAGCTTTCTCAGTATGACCAAAATGACCCAGAGCTGTGCTGGTG	915
QY	841	AGAAACATTCGTCATACAGGGGTGGCCCTACACTTCAGAAATGCTCCCTCGCAAACTGGC	900
Db	916	AGAAACATTCGTCATACAGGGGTGGCCCTACACTTCAGAAATGCTCCCTCGCAAACTGGC	975
QY	901	ACGATGACAGCAACAGAGGCTCTCTTTCTGCAACTTTTGCCAGCCAACTCTTATTCA	960
Db	976	ACGATGACAGCAACAGAGGCTCTCTTTCTGCAACTTTTGCCAGCCAACTCTTATTCA	1035
QY	961	AATAAGAGAAACTTCCTTCGCAACAGTGTGACCTGACAAATCTCAGAGAAAGATCT	1020
Db	1036	AATAAGAGAAACTTCCTTCGCAACAGTGTGACCTGACAAATCTCAGAGAAAGATCT	1095
QY	1021	TCTTCCTGTAACTGTCGCCACAGCTTTCGACAGACAAAGATTATTTCTACACACACGGCC	1080
Db	1096	TCTTCCTGTAACTGTCGCCACAGCTTTCGACAGACAAAGATTATTTCTACACACACGGCC	1155
QY	1081	TGCGATGCGCAACGAGAGACACAACTCATGTATGACAAATGGGCGAAGCCGAAATCTGTAGC	1140
Db	1156	TGCGATGCGCAACGAGAGACACAACTCATGTATGACAAATGGGCGAAGCCGAAATCTGTAGC	1215
QY	1141	GAGACCTTGGAGGGGAGTGAAAGCTGCTCCTCTGTGTGAGAACCCACTGCGCCACC	1200
Db	1216	GAGACCTTGGAGGGGAGTGAAAGCTGCTCCTCTGTGTGAGAACCCACTGCGCCACC	1275
QY	1201	TGCAACCCAGGCTTCTTCAAAAACAACAACAGCACTGCGACGCTTGGCCATATGTTCC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAAAACAACAACAGCACTGCGACGCTTGGCCATATGTTCC	1335
QY	1261	TACTCCAAATGGCTCAGACTGTACCCGCTGCCCTGACAGGACTGAACCTGCTGTGGGATTT	1320
Db	1336	TACTCCAAATGGCTCAGACTGTACCCGCTGCCCTGACAGGACTGAACCTGCTGTGGGATTT	1395
QY	1321	GAATACAAATGATGAAACAGCTGCCCAACAACATGAAACGACCGTTTCTCAGTGGGATC	1380
Db	1396	GAATACAAATGATGAAACAGCTGCCCAACAACATGAAACGACCGTTTCTCAGTGGGATC	1455
QY	1381	AACCTTCAGATACAAAGGCGATGACAGGCTGGGAGGTGGCTGTATGATTAACAAGCT	1440
Db	1456	AACCTTCAGATACAAAGGCGATGACAGGCTGGGAGGTGGCTGTATGATTAACAAGCT	1515
QY	1441	GCTGAGAGCTCAGACAAATGACTTATGATTTCTCACTCTGTGTGTGCGAGATTTAGACT	1500
Db	1516	GCTGAGAGCTCAGACAAATGACTTATGATTTCTCACTCTGTGTGTGCGAGATTTAGACT	1575
QY	1501	CCGCACTGTGTGATGGCAGACACAGGAATTAAGAGTGGCCAGAAATCACTTTGTCTTT	1560
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QY	1561	GAGACCTCTGTTCGTGTAACGTGAGCTTACTTCAATGTTGGGTGTGAATTTAGAGACC	1620
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QY	1681	GAGAGGAACATCAACAGAGCTTCACTCGGCGCTTCCAGAGACCACTTTCAAGAGCA	1740
Db	1756	GAGAGGAACATCAACAGAGCTTCACTCGGCGCTTCCAGAGACCACTTTCAAGAGCA	1815

QY	180	AATGGCGGCGCTCTCACTGCGCCGCTGAGCCCTTAAGAGCTTGAATGAGGAGCTCTCC	1860
Db	1876	AATGGCGTGGCTCTCTACTGCGCCGCTGAGCCCTTAAGAGCTTGAATGAGGAGCTCTCC	1935
QY	1861	TGCACTCTTGTCCTGCTGTTACTATAATGACCGAGATTGAGAACTTCGCACTCTGC	1920
Db	1936	TGCACCTCTTGTCCTGCTGTTACTATAATGACCGAGATTGAGAACTTCGCACTCTGC	1995
QY	1921	CCCCCTAACCAATTCGTAAGGCCACAGGCTTATGTCGACGCGCTGTCGCGCTG	1980
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Db	2176	CTTCTGAGAGGCGCAAGCTTCACTCCAAAGGTTGAAATCTTCATCACTTAACCTC	2235
QY	2161	AGTCTGTGTGAAAACAGGGTAGGAAAATGTCTGTGTGCACCGACAATGTCACTGACTC	2220
Db	2236	AGTCTGTGTGAAAACAGGGTAGGAAAATGTCTGTGTGCACCGACAATGTCACTGACTC	2295
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Db	2296	CGGATTCCTGAGGGTGAAGTCAGGGTTCGCCAATCTATCAAGGCTACGTGTGCAGAGA	2355
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Db	2356	GTCACTCATCCCCCAGAGAGTGAACAGGCTACAGGCGGGGTTTCTCTCAACAGCTGTGAGC	2415
QY	2341	CTTGCTGATCGACTTATTGGGGGTGACAAACAATATGACTCTGAGTGAATCACTCCCCA	2400
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QY	2401	GCTAAACTTTTCCACCTGGAGTCTCTGGGAATACCGGACGTGATCTTTTATAGGTCC	2460
Db	2476	GCTAAACTTTTCCACCTGGAGTCTCTGGGAATACCGGACGTGATCTTTTATAGGTCC	2535
QY	2461	AATGATGTGACCCAGTCTCTGCAATTCTGGAGATCAACACCACTCCGCTCAGGTGCACT	2520
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QY	2521	CCACAGAAAATGTGTCCTGGAAGTTGGTGTGCGACGGAAGTGTCTCAGATGGGACCTGT	2580
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QY	2761	TGCAAAAACCATAGATTTCTGGCTGAAAGTGGGCACTCTGACAGGCACTGTATCTGCCATC	2820
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QY	2821	CTGCTCAACGCTTGAACCTGCTACTTTTGGAAAAAAGATCAAAAACCTAGATCAAGTAC	2880
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Search completed: June 19, 2004, 04:31:10
Job time : 1360 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 18, 2004, 11:36:56 ; Search time 54 Seconds

(without alignments)
5233.259 Million cell updates/sec

Title: US-10-046-433-40

Perfect score: 5506

Sequence: 1 MAEPGSHLSARVGRTER.....LGRSNLPPRLMLDTCR 1001

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 26213646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5506	100.0	1001	US-10-046-433-40	Sequence 40, Appl
2	5376	97.6	1004	US-10-177-293-484	Sequence 49, App
3	5376	97.6	1013	US-10-177-293-482	Sequence 49, App
4	5376	97.6	1013	US-10-144-198-26	Sequence 26, Appl
5	5341	97.0	1013	US-10-147-493-38	Sequence 38, Appl
6	5341	97.0	1013	US-10-145-127-38	Sequence 38, Appl
7	5341	97.0	1013	US-10-160-503-38	Sequence 38, Appl
8	5341	97.0	1013	US-10-143-118-38	Sequence 38, Appl
9	5341	97.0	1013	US-10-144-993-38	Sequence 38, Appl
10	5341	97.0	1013	US-10-158-787-38	Sequence 38, Appl
11	5341	97.0	1013	US-10-140-024-38	Sequence 38, Appl
12	5341	97.0	1013	US-10-140-808-38	Sequence 38, Appl
13	5341	97.0	1013	US-10-152-405-38	Sequence 38, Appl
14	5341	97.0	1013	US-10-127-852A-38	Sequence 38, Appl
15	5341	97.0	1013	US-10-127-900A-38	Sequence 38, Appl

16	5341	97.0	1013	12	US-10-128-685A-38	Sequence 38, Appl
17	5341	97.0	1013	12	US-10-131-820A-38	Sequence 38, Appl
18	5341	97.0	1013	12	US-10-142-886-38	Sequence 38, Appl
19	5341	97.0	1013	12	US-10-146-728-38	Sequence 38, Appl
20	5341	97.0	1013	12	US-10-146-786-38	Sequence 38, Appl
21	5341	97.0	1013	12	US-10-147-499-38	Sequence 38, Appl
22	5341	97.0	1013	12	US-10-157-798-38	Sequence 38, Appl
23	5341	97.0	1013	14	US-10-028-072-38	Sequence 38, Appl
24	5341	97.0	1013	14	US-10-121-049-38	Sequence 38, Appl
25	5341	97.0	1013	14	US-10-123-904-38	Sequence 38, Appl
26	5341	97.0	1013	14	US-10-140-470-38	Sequence 38, Appl
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43	5341	97.0	1013	14	US-10-123-261-38	Sequence 38, Appl
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45	5341	97.0	1013	14	US-10-140-928-38	Sequence 38, Appl

ALIGNMENTS

RESULT 1
US-10-046-433-40
Sequence 40, Application US/10046433
Publication No. US20030092101A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR13 and TR14
FILE REFERENCE: PFS111P1
CURRENT APPLICATION NUMBER: US/10/046,433
PRIOR FILING DATE: 2002-01-16
PRIOR APPLICATION NUMBER: 60/261,960
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/618,570
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/144,087
PRIOR FILING DATE: 1999-07-16
PRIOR APPLICATION NUMBER: 60/149,450
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: 60/149,712
PRIOR FILING DATE: 1999-08-20
PRIOR APPLICATION NUMBER: 60/153,089
PRIOR FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 61
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 40
LENGTH: 1001
TYPE: PRT
ORGANISM: Homo sapiens
US-10-046-433-40

Query Match 100.0%; Score 5506; DB 14; Length 1001;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1001; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 961 CAIMEGEDVEDDLIFTSKXNSLGR 984

RESULT 3
US-10-177-293-492
; Sequence 492, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatz, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamalakar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MEI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501

; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 492
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-492

Query Match 97.6%; Score 5376; DB 14; Length 1013;
Best Local Similarity 99.4%; Pred. No. 0; Mismatches 5; Indels 0; Gaps 0;
Matches 978; Conservative 1;

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Db 1 MAEPGSHLSARVGRTERIRIPRLMRLLLWAGTAFOYTGTEGELNACSESEYHEXTA 60
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RESULT 4
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; Sequence 26, Application US/10144198
; Publication No. US20030219748A1
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 90 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-26

Query Match 97.6%; Score 5376; DB 15; Length 1013;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 978; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
Qy 1 MAEPGSHHLSARVGRTERIRIPRLWRLMAGTAFOVTOGTGPELHACKESHYEYTA 60
Db 1 MAEPGSHHLSARVGRTERIRIPRLWRLMAGTAFOVTOGTGPELHACKESHYEYTA 60
Qy 61 CDSTGSRWRAVPHTPQLCTSLPDPVYKGTCSFSCNAGEFLDKKOSCRPCAGRYSLGT 120
Db 61 CDSTGSRWRAVPHTPQLCTSLPDPVYKGTCSFSCNAGEFLDKKOSCRPCAGRYSLGT 120
Qy 121 GIRFDEWDELPHGFASISANMELDDSAESTGNCTSKWVPRGDIYAFNTDECTATIMYA 180
Db 121 GIRFDEWDELPHGFASISANMELDDSAESTGNCTSKWVPRGDIYAFNTDECTATIMYA 180
Qy 181 VNLKQSTVAFERYYPDSIIIFEFVQNDQCPNADDSRMKTEKGMEFHSYELNRGN 240
Db 181 VNLKQSTVAFERYYPDSIIIFEFVQNDQCPNADDSRMKTEKGMEFHSYELNRGN 240
Qy 241 VLWRTAFSVWTKVPPVTVVRNIAITGVAYTSECPCKRGTYADKQSSFCGLCPANGY 300
Db 241 VLWRTAFSVWTKVPPVTVVRNIAITGVAYTSECPCKRGTYADKQSSFCGLCPANGY 300
Qy 301 SNKGTSCHQCDPKYSEKSSSCNRPACTDKDYVYTHACDANGETOIMYKMAKPKIC 360
Db 301 SNKGTSCHQCDPKYSEKSSSCNRPACTDKDYVYTHACDANGETOIMYKMAKPKIC 360
Qy 361 SEDLEGAVKLPAAGVTKHCPNPGPFKTNNSJCQCPGVSYSNGSDCRCPAGTEPAAG 420
Db 361 SEDLEGAVKLPAAGVTKHCPNPGPFKTNNSJCQCPGVSYSNGSDCRCPAGTEPAAG 420
Qy 421 FEYKMNWTLPTNNETTVLSGINFYKGMTGWEVAGDHITTAAGASNDNFILTLVVGPR 480
Db 421 FEYKMNWTLPTNNETTVLSGINFYKGMTGWEVAGDHITTAAGASNDNFILTLVVGPR 480
Qy 481 PPOSVADTENKVAATITTFEFLCSVNCGLYFMGVNSSTNTPVATWGSKQSYTII 540
Db 481 PPOSVADTENKVAATITTFEFLCSVNCGLYFMGVNSSTNTPVATWGSKQSYTII 540

Qy 541 IEEVTTTSFTWAFORTTPEHSAKRYTNDVAKIYSINTVMNMGVASYCRPCALASPDVGS 600
Db 541 IEEVTTTSFTWAFORTTPEHSAKRYTNDVAKIYSINTVMNMGVASYCRPCALASPDVGS 600
Qy 601 SCTSCPAGYVYIDROSGTCHSCPNTIILKAQOPYGVQACVPCGPETKNNKIHSLCYNDCTF 660
Db 601 SCTSCPAGYVYIDROSGTCHSCPNTIILKAQOPYGVQACVPCGPETKNNKIHSLCYNDCTF 660
Qy 661 SRNTPTRTFNYSALANTVTLTLAGSFTSKGLKTFHHFTLSLSCGNGRKMSVCTDNVTD 720
Db 661 SRNTPTRTFNYSALANTVTLTLAGSFTSKGLKTFHHFTLSLSCGNGRKMSVCTDNVTD 720
Qy 721 LRIPGEGSFGSKSTIAYVQCAVILPEVTVGYKAGVSSQPSYSLADRLIGVTTDMTLDGITS 780
Db 721 LRIPGEGSFGSKSTIAYVQCAVILPEVTVGYKAGVSSQPSYSLADRLIGVTTDMTLDGITS 780
Qy 781 PAELFHELSIGIPVIFPRNSNDVTQSCSGSRSTTRVCSPOKTVPGSLLPCTCSGDT 840
Db 781 PAELFHELSIGIPVIFPRNSNDVTQSCSGSRSTTRVCSPOKTVPGSLLPCTCSGDT 840
Qy 841 CDGCFHEFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPRLCSGGISLPEQRYT 900
Db 841 CDGCFHEFLWESAACPLCSVADYHAIVSSCVAGIOKTTYVMREPRLCSGGISLPEQRYT 900
Qy 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYKSKLVNNAATLKCDLPAADS 960
Db 901 ICKTIDFWLKVGISAGCTCTAIIITVLTCTYFWKKNQKLEKYKSKLVNNAATLKCDLPAADS 960
Qy 961 CAIMEGEDVEDDLIFTSKNSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESULT 5
US-10-147-493-38
; Sequence 38, Application US/10147493
; Publication No. US20040029217A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Geirtsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FIDE REFERENCE: P330R1C345
; CURRENT APPLICATION NUMBER: US/10/147,493
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-147-493-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 1 MAEPGSHLSAARVGRTERIRIPRLMLLMAGTAQVOTGTEPELHACKSESYHYETA 60
Db 1 MAEPGSHLSAARVGRTERIRIPRLMLLMAGTAQVOTGTEPELHACKSESYHYETA 60
QY 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
Db 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
QY 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
Db 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDSDAESTGNCSSKWPVRDYLAFNTDECTATLMTYA 180
Db 121 GIRFDEWDELPHGFASLSANMELDSDAESTGNCSSKWPVRDYLAFNTDECTATLMTYA 180
QY 181 VNLKSGTVNFEYYYPDSIIFFEFVQNDQCPNADSRMKTTEKGMFHSVELNRGN 240
Db 181 VNLKSGTVNFEYYYPDSIIFFEFVQNDQCPNADSRMKTTEKGMFHSVELNRGN 240
QY 241 VLYWRTTASVMTKVPKVLVRNIAITGVAYTSECFPCPKGTADKQSSFCCLCPANSY 300
Db 241 VLYWRTTASVMTKVPKVLVRNIAITGVAYTSECFPCPKGTADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPKYSEKSSSCNVPACTDKDYFTHTACDANGETQLMYKAKPKIC 360
Db 301 SNKGETSCHQCDPKYSEKSSSCNVPACTDKDYFTHTACDANGETQLMYKAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNPFKTNNSCQPCPYGSYNSGSDCTRCPAETPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKCPNPFKTNNSCQPCPYGSYNSGSDCTRCPAETPAVG 420
QY 421 FEYKMNNTLPNNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Db 421 FEYKMNNTLPNNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVPGFR 480
QY 481 PPOSVADENKENVATITFEFTLCSVNCLEFVAVNRSRTNPTVTMGSGKOSYTYI 540
Db 481 PPOSVADENKENVATITFEFTLCSVNCLEFVAVNRSRTNPTVTMGSGKOSYTYI 540
QY 541 IEBNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVNMGVASYCPALBASDVGS 600
Db 541 IEBNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVNMGVASYCPALBASDVGS 600
QY 601 SCTSCAGYIIDSDSGTCHSCPNTILKAQPYGVAQVCGPGYKNNKIHSLCTVNDCTF 660
Db 601 SCTSCAGYIIDSDSGTCHSCPNTILKAQPYGVAQVCGPGYKNNKIHSLCTVNDCTF 660
QY 661 SRYTPRTENYNSALANTVTLAGSPFTSKGLKTFHFTLSLCSGQGRKMSVCTDNVD 720
Db 661 SRYTPRTENYNSALANTVTLAGSPFTSKGLKTFHFTLSLCSGQGRKMSVCTDNVD 720
QY 721 LRIPESBSGSKITAYVCOAVIIPBEVGYKAGVSOPVSLADRLIGYTTDMTLDTGITS 780
Db 721 LRIPESBSGSKITAYVCOAVIIPBEVGYKAGVSOPVSLADRLIGYTTDMTLDTGITS 780
QY 781 PALFPLFESIGIDVIFFYRSNDVYOSCGSGRTTIRVCSPOKTPVPSLLPGTCSDDT 840
Db 781 PALFPLFESIGIDVIFFYRSNDVYOSCGSGRTTIRVCSPOKTPVPSLLPGTCSDDT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOKTTYWREPKLCSGGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOKTTYWREPKLCSGGISLPEQRYT 900
QY 901 ICKTIDFVWLKVGISAGICTAILTLVLCYFWKKNQKLEKYSKLVNNAITLXCDLPAAS 960
Db 901 ICKTIDFVWLKVGISAGICTAILTLVLCYFWKKNQKLEKYSKLVNNAITLXCDLPAAS 960
QY 961 CAIMEGEDVEDDLIFTSKNSLGR 984
Db 961 CAIMEGEDVEDDLIFTSKNSLGR 984
```

RESULT 6

US-10-145-127-38

Sequence 38, Application US/10145127

Publication No. US20040033558A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Geo, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C252

CURRENT FILING DATE: 2002-05-13

Prior Appl. location removed - See File Wrapper or Palm

SEQ. ID NO. 38

LENGTH: 1013

TYPE: PRT

ORGANISM: Homo Sapien

FEATURE:

NAME/KEY: unsure

LOCATION: 877, 882

OTHER INFORMATION: unknown amino acid

US-10-145-127-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;

Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 1 MAEPGSHLSAARVGRTERIRIPRLMLLMAGTAQVOTGTEPELHACKSESYHYETA 60
Db 1 MAEPGSHLSAARVGRTERIRIPRLMLLMAGTAQVOTGTEPELHACKSESYHYETA 60
QY 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
Db 61 CDSTGRMRVAVPHPTGCLTSLPDPVKGTSCSFSCNAGEFLDMKDQSCKPCAEGRYSLSGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDSDAESTGNCSSKWPVRDYLAFNTDECTATLMTYA 180
Db 121 GIRFDEWDELPHGFASLSANMELDSDAESTGNCSSKWPVRDYLAFNTDECTATLMTYA 180
QY 181 VNLKSGTVNFEYYYPDSIIFFEFVQNDQCPNADSRMKTTEKGMFHSVELNRGN 240
Db 181 VNLKSGTVNFEYYYPDSIIFFEFVQNDQCPNADSRMKTTEKGMFHSVELNRGN 240
QY 241 VLYWRTTASVMTKVPKVLVRNIAITGVAYTSECFPCPKGTADKQSSFCCLCPANSY 300
Db 241 VLYWRTTASVMTKVPKVLVRNIAITGVAYTSECFPCPKGTADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPKYSEKSSSCNVPACTDKDYFTHTACDANGETQLMYKAKPKIC 360
Db 301 SNKGETSCHQCDPKYSEKSSSCNVPACTDKDYFTHTACDANGETQLMYKAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNPFKTNNSCQPCPYGSYNSGSDCTRCPAETPAVG 420
Db 361 SEDLEGAVKLPASGVKTHCPKCPNPFKTNNSCQPCPYGSYNSGSDCTRCPAETPAVG 420
QY 421 FEYKMNNTLPNNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVPGFR 480
Db 421 FEYKMNNTLPNNMETTVLSGINFYKMGTEVAGDHIYTAAGASDNDPMILTLVPGFR 480
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OTHER INFORMATION: unknown amino acid
US-10-160-503-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 481 PPGSVADTENKENVARITTFVETLCSVNCGLYPMGVNSRTNPVETWKSXKOSYTYI 540
DB 481 PPGSVADTENKENVARITTFVETLCSVNCGLYPMGVNSRTNPVETWKSXKOSYTYI 540
QY 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
DB 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIYIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNKKIHSICYNDCTF 660
DB 601 SCTSCPAGYIYIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNKKIHSICYNDCTF 660
QY 721 LRIPEGSGFSKSIITAVVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
DB 721 LRIPEGSGFSKSIITAVVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
QY 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPOKTVPGSLLPCTCSDDGT 840
DB 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPOKTVPGSLLPCTCSDDGT 840
QY 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEORVT 900
DB 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEORVT 900
QY 901 ICKTIDFWLKVGISAGTCTAIIITVLTCTCFWKKNOLEKYSKLVNNAITLKDCDLPADS 960
DB 901 ICKTIDFWLKVGISAGTCTAIIITVLTCTCFWKKNOLEKYSKLVNNAITLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKXHSIGR 984
DB 961 CAIMEGEDVEDDLIFTSKXHSIGR 984

```

```

QY 481 PPGSVADTENKENVARITTFVETLCSVNCGLYPMGVNSRTNPVETWKSXKOSYTYI 540
DB 481 PPGSVADTENKENVARITTFVETLCSVNCGLYPMGVNSRTNPVETWKSXKOSYTYI 540
QY 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
DB 541 IEENTTSFTWAFORTTFHEASRYNDVAKIYSINVTVMNGVASYCRPCALEASDVGS 600
QY 601 SCTSCPAGYIYIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNKKIHSICYNDCTF 660
DB 601 SCTSCPAGYIYIDRDSGTCHSCPNTILKAHQPYGVQACVPCGPGTKNKKIHSICYNDCTF 660
QY 721 LRIPEGSGFSKSIITAVVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
DB 721 LRIPEGSGFSKSIITAVVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTMTLDDGITS 780
QY 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPOKTVPGSLLPCTCSDDGT 840
DB 781 PAELFHESLGIDVIFPFRSNDVTOSCSGSRSTTRVRCSPOKTVPGSLLPCTCSDDGT 840
QY 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEORVT 900
DB 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPKLCSGGISLPEORVT 900
QY 901 ICKTIDFWLKVGISAGTCTAIIITVLTCTCFWKKNOLEKYSKLVNNAITLKDCDLPADS 960
DB 901 ICKTIDFWLKVGISAGTCTAIIITVLTCTCFWKKNOLEKYSKLVNNAITLKDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKXHSIGR 984
DB 961 CAIMEGEDVEDDLIFTSKXHSIGR 984

```


Db 961 CAIMEGEDVEDDLIFTSKSLFGK 984

RESULT 8

US-10-143-118-38
; Sequence 38, Application US/10143118
; Publication No. US20040038335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Defoige, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C228
; CURRENT APPLICATION NUMBER: US/10/143,118
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-143-118-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;
QY 1 MAFPGSHLSAARVGRTERIRRLRLIMAGTAQVTOGTGPELHACKESYHYEYTA 60
Db 1 MAFPGSHLSAARVGRTERIRRLRLIMAGTAQVTOGTGPELHACKESYHYEYTA 60
QY 61 CDSGSRMVAAYVHTPGLCTSLDPKKGTECSFSCNAGEFLMKDSCPKCAEGRYSLGT 120
Db 61 CDSGSRMVAAYVHTPGLCTSLDPKKGTECSFSCNAGEFLMKDSCPKCAEGRYSLGT 120
QY 61 CDSGSRMVAAYVHTPGLCTSLDPKKGTECSFSCNAGEFLMKDSCPKCAEGRYSLGT 120
Db 61 CDSGSRMVAAYVHTPGLCTSLDPKKGTECSFSCNAGEFLMKDSCPKCAEGRYSLGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDDBAASSTGNCSTSSKVPKPDYIAFTIDECLATLMTYA 180
Db 121 GIRFDEWDELPHGFASLSANMELDDBAASSTGNCSTSSKVPKPDYIAFTIDECLATLMTYA 180
QY 121 GIRFDEWDELPHGFASLSANMELDDBAASSTGNCSTSSKVPKPDYIAFTIDECLATLMTYA 180
Db 121 GIRFDEWDELPHGFASLSANMELDDBAASSTGNCSTSSKVPKPDYIAFTIDECLATLMTYA 180
QY 181 VNLKSGTYNFEYYIYDSSIIFFEFVQNDCCPNADDSKMKTTGKGFHSEYELNRGN 240
Db 181 VNLKSGTYNFEYYIYDSSIIFFEFVQNDCCPNADDSKMKTTGKGFHSEYELNRGN 240
QY 181 VNLKSGTYNFEYYIYDSSIIFFEFVQNDCCPNADDSKMKTTGKGFHSEYELNRGN 240
Db 181 VNLKSGTYNFEYYIYDSSIIFFEFVQNDCCPNADDSKMKTTGKGFHSEYELNRGN 240
QY 241 VLYWRTTASFVMTKVPVLRNIAITGVAYTSECPCKRGYADKQSSFCMLCPANYS 300
Db 241 VLYWRTTASFVMTKVPVLRNIAITGVAYTSECPCKRGYADKQSSFCMLCPANYS 300
QY 301 SNKGETSCHOCDDPKSKSEKSSSCNRPACTDKDYIYTHIACDANGETOLATKMAKPKIC 360
Db 301 SNKGETSCHOCDDPKSKSEKSSSCNRPACTDKDYIYTHIACDANGETOLATKMAKPKIC 360
QY 301 SNKGETSCHOCDDPKSKSEKSSSCNRPACTDKDYIYTHIACDANGETOLATKMAKPKIC 360
Db 301 SNKGETSCHOCDDPKSKSEKSSSCNRPACTDKDYIYTHIACDANGETOLATKMAKPKIC 360
QY 361 SEDLEGVVKLPASGVKTHCPKPNPGFFKTNNSCTCCPCFYSYNGSDCTRCRPAETPAVG 420
Db 361 SEDLEGVVKLPASGVKTHCPKPNPGFFKTNNSCTCCPCFYSYNGSDCTRCRPAETPAVG 420

QY 421 FEYKMNNTLPNTMETVLASGINFEYKMGTMGEVAGDHIYTPAAGASDNDPILTLVVPGR 480
Db 421 FEYKMNNTLPNTMETVLASGINFEYKMGTMGEVAGDHIYTPAAGASDNDPILTLVVPGR 480
QY 481 PPGVMAADTENKEVARITFPPELTCSVNCBELYFVWGVNSRTNTPVEFTWKSQKQSTYI 540
Db 481 PPGVMAADTENKEVARITFPPELTCSVNCBELYFVWGVNSRTNTPVEFTWKSQKQSTYI 540
QY 541 IENNTTSTFWAFOITFHEASRKYTNDAKIYSINVTNWNNGVASYCRPCALASDVGS 600
Db 541 IENNTTSTFWAFOITFHEASRKYTNDAKIYSINVTNWNNGVASYCRPCALASDVGS 600
QY 601 SCTSCPAGYIYDRDSGTCSCPEPTIILKAQOPYGQAQVPCGPGTKXNKIHSICYNCTF 660
Db 601 SCTSCPAGYIYDRDSGTCSCPEPTIILKAQOPYGQAQVPCGPGTKXNKIHSICYNCTF 660
QY 661 SRNTPTRFENYFALANTVTLAGBSPFSGKLYFHHFTLSICGNGRMSVCTDNVTD 720
Db 661 SRNTPTRFENYFALANTVTLAGBSPFSGKLYFHHFTLSICGNGRMSVCTDNVTD 720
QY 721 LRIPESGSGFSKSTAYVCAVILPEPVYGYKAGVSSQPVSLADRLIGVTTDMTLDDITS 780
Db 721 LRIPESGSGFSKSTAYVCAVILPEPVYGYKAGVSSQPVSLADRLIGVTTDMTLDDITS 780
QY 781 PAELFHESLGIDPVIFFYRNSNDVTOGSSGSRSTTIYRGSPOKTVPGSLIPETGSDGT 840
Db 781 PAELFHESLGIDPVIFFYRNSNDVTOGSSGSRSTTIYRGSPOKTVPGSLIPETGSDGT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIYSSCVAGIOKTTYWRBPKLCSGGISLPEQRYT 900
Db 841 CDGCFHFLMESAAACPLCSVADYHAIYSSCVAGIOKTTYWRBPKLCSGGISLPEQRYT 900
QY 901 ICKTIDFWLKVGISAGICTAILTLVLCYFVKKNQKLEKYKSLVWNAATLKDCLPADS 960
Db 901 ICKTIDFWLKVGISAGICTAILTLVLCYFVKKNQKLEKYKSLVWNAATLKDCLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKSLFGK 984
Db 961 CAIMEGEDVEDDLIFTSKSLFGK 984

RESULT 9
US-10-144-993-38
; Sequence 38, Application US/10144993
; Publication No. US20040038336A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Defoige, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013

DB 1 MAEPGSHLSARVRRTERRIPLMLRLLMAGTAFOVOTGPELHACKSEHYEYTA 60
QY 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKGTECSFSCNAGEFLDMKQSCKPAEGRYSLGT 120
DB 61 CDSTGSRMRVAVPHRTGLCTSLSDPKGTECSFSCNAGEFLDMKQSCKPAEGRYSLGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKMWPRGDYIAFNTDECTATLMTYA 180
DB 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKMWPRGDYIAFNTDECTATLMTYA 180
QY 181 VNLKOSGTNFEYYPDSIIFFEFVQNDQCPNADSRMMKTEKGEFHSVELNRGN 240
DB 181 VNLKOSGTNFEYYPDSIIFFEFVQNDQCPNADSRMMKTEKGEFHSVELNRGN 240
QY 241 VLYMRTTAFSVWTKPKFVLVRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
DB 241 VLYMRTTAFSVWTKPKFVLVRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPKYSEKSSSCNRPACTDKDYFYHTACDANGETOLMKWAKPKIC 360
DB 301 SNKGETSCHQCDPKYSEKSSSCNRPACTDKDYFYHTACDANGETOLMKWAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
DB 361 SEDLEGAVKLPASGVKTHCPKCPNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
QY 421 FEYKMWNTLPTNMTTVLSGINFYKMGTEVAGDHIITAGASDNDPMLTLVVPGR 480
DB 421 FEYKMWNTLPTNMTTVLSGINFYKMGTEVAGDHIITAGASDNDPMLTLVVPGR 480
QY 481 PPOSVADTENKEVAITFEVETLCSVNCGLYFMVGNSTRNTPVETWKSCKGOSYTYI 540
DB 481 PPOSVADTENKEVAITFEVETLCSVNCGLYFMVGNSTRNTPVETWKSCKGOSYTYI 540
QY 541 IEENITTSFTWAFQRTTFEASRKYNDVAKIYSINVTVNGVASYCRPCALIASDVGS 600
DB 541 IEENITTSFTWAFQRTTFEASRKYNDVAKIYSINVTVNGVASYCRPCALIASDVGS 600
QY 601 SCISCPAGYIIDDSGCHSCPNITLKAHOPYGVAQVCPGPTKNNKIHSLCTNDCTF 660
DB 601 SCISCPAGYIIDDSGCHSCPNITLKAHOPYGVAQVCPGPTKNNKIHSLCTNDCTF 660
QY 661 SRNTPRTFMYNNSALANTYTLAGSPFTSKGLKYFHFTLSLGNQGRMSYCTDNVD 720
DB 661 SRNTPRTFMYNNSALANTYTLAGSPFTSKGLKYFHFTLSLGNQGRMSYCTDNVD 720
QY 721 LRIPBEGSGFSKSIITAVCOAVIIPREVYKAGVSQPVSLADRLIGVTTMTLDGITS 780
DB 721 LRIPBEGSGFSKSIITAVCOAVIIPREVYKAGVSQPVSLADRLIGVTTMTLDGITS 780
QY 781 PAELFHEISGIPDVIFFYRSNDVTOSSGSRSTIIRVCSPOKTPGSLILPGTCSDT 840
DB 781 PAELFHEISGIPDVIFFYRSNDVTOSSGSRSTIIRVCSPOKTPGSLILPGTCSDT 840
QY 841 CDGCFNFIHWSAACPCLCSVADYHAISSCVAGIQXTTYVWEPRKCSGGISLPRQRYT 900
DB 841 CDGCFNFIHWSAACPCLCSVADYHAISSCVAGIQXTTYVWEPRKCSGGISLPRQRYT 900
QY 901 ICTTIDPWLKVGSAGCTAILLTVLTCYFMKNOKLEYKSKLVNNAATKDCDLPAAS 960
DB 901 ICTTIDPWLKVGSAGCTAILLTVLTCYFMKNOKLEYKSKLVNNAATKDCDLPAAS 960
QY 961 CAIMEGEDVEDDLIFTSKNSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESULT 11
US-10-140-024-38
; Sequence 38, Application US/10140024
; Publication No. US200400584241
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarcoff, Ellen
APPLICANT: Gao, Mei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Wacnabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C69
CURRENT FILING DATE: 2002-05-06
Pilot Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 38
LENGTH: 1013
TYPE: PRT
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 877, 882
OTHER INFORMATION: unknown amino acid
US-10-140-024-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHLSARVRRTERRIPLMLRLLMAGTAFOVOTGPELHACKSEHYEYTA 60
DB 1 MAEPGSHLSARVRRTERRIPLMLRLLMAGTAFOVOTGPELHACKSEHYEYTA 60
QY 61 CDSTGSRMRVAVPHRTGLCTSLPDPVKGTECSFSCNAGEFLDMKQSCKPAEGRYSLGT 120
DB 61 CDSTGSRMRVAVPHRTGLCTSLSDPKGTECSFSCNAGEFLDMKQSCKPAEGRYSLGT 120
QY 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKMWPRGDYIAFNTDECTATLMTYA 180
DB 121 GIRFDEWDELPHGFASLSANMELDLSAESTGCTSSKMWPRGDYIAFNTDECTATLMTYA 180
QY 181 VNLKOSGTNFEYYPDSIIFFEFVQNDQCPNADSRMMKTEKGEFHSVELNRGN 240
DB 181 VNLKOSGTNFEYYPDSIIFFEFVQNDQCPNADSRMMKTEKGEFHSVELNRGN 240
QY 241 VLYMRTTAFSVWTKPKFVLVRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
DB 241 VLYMRTTAFSVWTKPKFVLVRNIAITGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCDPKYSEKSSSCNRPACTDKDYFYHTACDANGETOLMKWAKPKIC 360
DB 301 SNKGETSCHQCDPKYSEKSSSCNRPACTDKDYFYHTACDANGETOLMKWAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPKCPNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
DB 361 SEDLEGAVKLPASGVKTHCPKCPNPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
QY 421 FEYKMWNTLPTNMTTVLSGINFYKMGTEVAGDHIITAGASDNDPMLTLVVPGR 480
DB 421 FEYKMWNTLPTNMTTVLSGINFYKMGTEVAGDHIITAGASDNDPMLTLVVPGR 480
QY 481 PPOSVADTENKEVAITFEVETLCSVNCGLYFMVGNSTRNTPVETWKSCKGOSYTYI 540
DB 481 PPOSVADTENKEVAITFEVETLCSVNCGLYFMVGNSTRNTPVETWKSCKGOSYTYI 540

QY 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNMMGVASVCPALASDVGS 600
DB 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNMMGVASVCPALASDVGS 600
QY 601 SCTSCPAGYIIDRDSCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
DB 601 SCTSCPAGYIIDRDSCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKFFHFTLSLGNQGRMSVCTDNVD 720
DB 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKFFHFTLSLGNQGRMSVCTDNVD 720
QY 721 LRIPGSGFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPGSGFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHELSGIPDIVIFFYRSDVTOSSGSRSTTRVRCSPKQTVPGSLLPGTCSGDT 840
DB 781 PAELFHELSGIPDIVIFFYRSDVTOSSGSRSTTRVRCSPKQTVPGSLLPGTCSGDT 840
QY 841 CDGCFHFLWESAACPLCSVADYHAIIVSSCVAGIOKTTYVMREPKLCSGGISLPEQRYT 900
DB 841 CDGCFHFLWESAACPLCSVADYHAIIVSSCVAGIOKTTYVMREPKLCSGGISLPEQRYT 900
QY 901 ICTTIDFWLKVGSAGTCTAILTLVTCYFMKKNQKLEYKSKLVNNAATLKDCLDPAADS 960
DB 901 ICTTIDFWLKVGSAGTCTAILTLVTCYFMKKNQKLEYKSKLVNNAATLKDCLDPAADS 960
QY 961 CAIMEGEDVEDDLIFTSKXSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKXSLGR 984

RESULT 12
US-10-140-808-38
Sequence 38, Application US/10140808
Publication No. US20030017563A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Guiney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C182
CURRENT APPLICATION NUMBER: US/10/140,808
PRIORITY FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 38
LENGTH: 1013
TYPE: PRT
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 877, 882
OTHER INFORMATION: unknown amino acid
US-10-140-808-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;

Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;
QY 1 MAEPGSHSLSARRGTRERRIPRLMRLIMAGTAFQVOTGTEGLACKSESEHYEYTA 60
DB 1 MAEPGSHSLSARRGTRERRIPRLMRLIMAGTAFQVOTGTEGLACKSESEHYEYTA 60
QY 61 CDSTGSRWVAVPHTPGLCTSLPDPVKGTGCSFSCNAGEFLDMKDGSCKPCAEGRYSLGT 120
DB 61 CDSTGSRWVAVPHTPGLCTSLPDPVKGTGCSFSCNAGEFLDMKDGSCKPCAEGRYSLGT 120
QY 121 GIREDEMELPHGASISANVELDSDAESTGNCTSSKWPBGDYIAFPNDECATLMTYA 180
DB 121 GIREDEMELPHGASISANVELDSDAESTGNCTSSKWPBGDYIAFPNDECATLMTYA 180
QY 181 VNLKQSGTVNPEYYIPDSIIIFEPVQNDQCPNADSRMKTTEKGMBSVELNNGN 240
DB 181 VNLKQSGTVNPEYYIPDSIIIFEPVQNDQCPNADSRMKTTEKGMBSVELNNGN 240
QY 241 VLYWRTTAFSVTQVPRVLYRNALIGVAYTSFCPCCKGTADKQGSFCKLCPANSTY 300
DB 241 VLYWRTTAFSVTQVPRVLYRNALIGVAYTSFCPCCKGTADKQGSFCKLCPANSTY 300
QY 301 SNKGETSCHQCDPDKYSEKSSCNVAPACTDKDYFTYTHACDANGETQLMYKAKPKIC 360
DB 301 SNKGETSCHQCDPDKYSEKSSCNVAPACTDKDYFTYTHACDANGETQLMYKAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPNCFPRKTNSTQCPYQSYNSGSPCTCPCAGTEPAVG 420
DB 361 SEDLEGAVKLPASGVKTHCPNCFPRKTNSTQCPYQSYNSGSPCTCPCAGTEPAVG 420
QY 421 FEYKMNNTLPNNMETTVLSGINFEYKMTGMEVAGDHITTAAGASDNDPMILTLVYGF 480
DB 421 FEYKMNNTLPNNMETTVLSGINFEYKMTGMEVAGDHITTAAGASDNDPMILTLVYGF 480
QY 481 PPGSVADTEKKEVARITFVEETLCSVNCELYFNVGNSFTNPVETKSGSKGOSTYTI 540
DB 481 PPGSVADTEKKEVARITFVEETLCSVNCELYFNVGNSFTNPVETKSGSKGOSTYTI 540
QY 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNMMGVASVCPALASDVGS 600
DB 541 IEENTTSFTWAFORTTFHEASRKYNDVAKIYSINVTNMMGVASVCPALASDVGS 600
QY 601 SCTSCPAGYIIDRDSCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
DB 601 SCTSCPAGYIIDRDSCGCHSCPNTILKAHQPYGVQACVPCGPGTKNNKIHSLCYNDCTF 660
QY 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKFFHFTLSLGNQGRMSVCTDNVD 720
DB 661 SRNPTFTFNYSALANTVTLTAGGSPFTSKGLKFFHFTLSLGNQGRMSVCTDNVD 720
QY 721 LRIPGSGFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPGSGFSKSIITAYVCAVLIIPREVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHELSGIPDIVIFFYRSDVTOSSGSRSTTRVRCSPKQTVPGSLLPGTCSGDT 840
DB 781 PAELFHELSGIPDIVIFFYRSDVTOSSGSRSTTRVRCSPKQTVPGSLLPGTCSGDT 840
QY 841 CDGCFHFLWESAACPLCSVADYHAIIVSSCVAGIOKTTYVMREPKLCSGGISLPEQRYT 900
DB 841 CDGCFHFLWESAACPLCSVADYHAIIVSSCVAGIOKTTYVMREPKLCSGGISLPEQRYT 900
QY 901 ICTTIDFWLKVGSAGTCTAILTLVTCYFMKKNQKLEYKSKLVNNAATLKDCLDPAADS 960
DB 901 ICTTIDFWLKVGSAGTCTAILTLVTCYFMKKNQKLEYKSKLVNNAATLKDCLDPAADS 960
QY 961 CAIMEGEDVEDDLIFTSKXSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKXSLGR 984

RESULT 13

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US-10-152-405-38
; Sequence 38, Application US/10152405
; Publication No. US20030211571A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C383
; CURRENT APPLICATION NUMBER: US/10/152,405
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION: removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-152-405-38

Query Match          97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVRGTERIRRLMLRMAGTACVQVGPPELHACKESFYHYEYA 60
DB 1 MAEPGSHHLSARVRGTERIRRLMLRMAGTACVQVGPPELHACKESFYHYEYA 60
QY 61 CDSTGSRWVAVPHPTGLCTSLPDPYKTECSFSCNAGEFLDMKQSCCKPCAGRYSLGT 120
DB 61 CDSTGSRWVAVPHPTGLCTSLPDPYKTECSFSCNAGEFLDMKQSCCKPCAGRYSLGT 120
QY 121 GTRFDEDELPHGFASISANMELDDSAESTGCTSSKVPREDYIAFNTDECTATLMTA 180
DB 121 GTRFDEDELPHGFASISANMELDDSAESTGCTSSKVPREDYIAFNTDECTATLMTA 180
QY 181 VNLKQSGTVAFYYPPSSIIFFEFYQNDCCQPNADSRMKTTEKGMEFHSYELNRGN 240
DB 181 VNLKQSGTVAFYYPPSSIIFFEFYQNDCCQPNADSRMKTTEKGMEFHSYELNRGN 240
QY 241 VLYWRTAFSVMTKVPKPVLVNIAITGVAVTSECPCKGTYADKQGSFCKLCPANST 300
DB 241 VLYWRTAFSVMTKVPKPVLVNIAITGVAVTSECPCKGTYADKQGSFCKLCPANST 300
QY 301 SNKGESCHQCDPKYSEKSSSCNVPACTDDYFTRHACANGETO,MYMAKPKIC 360
DB 301 SNKGESCHQCDPKYSEKSSSCNVPACTDDYFTRHACANGETO,MYMAKPKIC 360
QY 361 SEDLEGAIVKLPAAGVKTHCPKCPNGPEFKINNSITQPCPYGSSYNSGSDCTRCPAETPAVG 420
DB 361 SEDLEGAIVKLPAAGVKTHCPKCPNGPEFKINNSITQPCPYGSSYNSGSDCTRCPAETPAVG 420
QY 421 FEYKMWNTLPLNNETTLGSGINFEYKMTGMEVAGDHITYAAGSNDNFMLTLVVGFR 480
DB 421 FEYKMWNTLPLNNETTLGSGINFEYKMTGMEVAGDHITYAAGSNDNFMLTLVVGFR 480

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QY 481 PPSVMADTENKEVARITFEETLCSVNCLELYFMVGVNSRNTPEVTWKS KQKQSYTYI 540
DB 481 PPSVMADTENKEVARITFEETLCSVNCLELYFMVGVNSRNTPEVTWKS KQKQSYTYI 540
QY 541 IENNTTSFTWAFORTTFHEASRKYTDVAKIYSINTNVNNGVASCPRPALASVGS 600
DB 541 IENNTTSFTWAFORTTFHEASRKYTDVAKIYSINTNVNNGVASCPRPALASVGS 600
QY 601 SCTSCPAGYITDRSGTCHSCPNTILKAQPIYGVQACVPCGPGTKXNK,ISL,CYNDCTF 660
DB 601 SCTSCPAGYITDRSGTCHSCPNTILKAQPIYGVQACVPCGPGTKXNK,ISL,CYNDCTF 660
QY 661 SRNTPTRTFNYPFALANTVTLAAGPSFTSKGLYFHHFTLSLGNQGRKXSVCTDNVTD 720
DB 661 SRNTPTRTFNYPFALANTVTLAAGPSFTSKGLYFHHFTLSLGNQGRKXSVCTDNVTD 720
QY 721 LRIPGSGESKSTTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPGSGESKSTTAYVCOAVIIPPEVTGYKAGVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHESLGIPIVIFPEYRNDVTOSSGSRSTTIRVCSPOKTVPGSJLLPFTCS DGT 840
DB 781 PAELFHESLGIPIVIFPEYRNDVTOSSGSRSTTIRVCSPOKTVPGSJLLPFTCS DGT 840
QY 841 CDGCFHFHLMESAAACPLCSYADYHAYVSCVAGIQKTTYWREPKICSGGISLPEQRVT 900
DB 841 CDGCFHFHLMESAAACPLCSYADYHAYVSCVAGIQKTTYWREPKICSGGISLPEQRVT 900
QY 901 ICKTIDFHLKXGISAGTATALLTVLTCYFKKQKQKLEKYKSKLWNTALLDCDLPADS 960
DB 901 ICKTIDFHLKXGISAGTATALLTVLTCYFKKQKQKLEKYKSKLWNTALLDCDLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKXNSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKXNSLGR 984

RESULT 14
US-10-127-852A-38
; Sequence 38, Application US/10127852A
; Publication No. US20030203428A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/127,852A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/043911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17

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PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 38
LENGTH: 1013
TYPE: PRT
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 877, 882
OTHER INFORMATION: unknown amino acid
US-10-127-852A-38

Query Match 97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MAEPGSHHLSARVGRTERIRIPRLMLMAGTAQVOTGTPPELHACKESYHYEYA 60
DB 1 MAEPGSHHLSARVGRTERIRIPRLMLMAGTAQVOTGTPPELHACKESYHYEYA 60
QY 61 CDSTGSRWRAVAPHTGCLCTSLDPVYKTECSFSCNAGEFLDKKDCSCPKCAAGRYSLGT 120
DB 61 CDSTGSRWRAVAPHTGCLCTSLDPVYKTECSFSCNAGEFLDKKDCSCPKCAAGRYSLGT 120
QY 121 GIRFDEWDELPHGPASISANMELDDSAESTGCTSSKVPREGDYIAVNTDECTATLMA 180
DB 121 GIRFDEWDELPHGPASISANMELDDSAESTGCTSSKVPREGDYIAVNTDECTATLMA 180
QY 181 VNIKSGTVNFEYFYDSSIIFFEFVQNDCCPNADSSMMKTEGMEFHSVELNRGN 240
DB 181 VNIKSGTVNFEYFYDSSIIFFEFVQNDCCPNADSSMMKTEGMEFHSVELNRGN 240
QY 241 VLYWRTTAFSVWTKVPVLRNIAITGVAITSECFPCPGTYADKQSSFCPLCPANSY 300
DB 241 VLYWRTTAFSVWTKVPVLRNIAITGVAITSECFPCPGTYADKQSSFCPLCPANSY 300
QY 301 SNKGTSCHOCDDPKTSEKSSSCNVRPACTDXYTYHTACDANGETQLMKMAKPKIC 360
DB 301 SNKGTSCHOCDDPKTSEKSSSCNVRPACTDXYTYHTACDANGETQLMKMAKPKIC 360
QY 361 SEDLEGAVKLPASGVKTHCPNPGFPEKTNSTQCPQYGSYNSGSDCTRCAGTEPAVG 420
DB 361 SEDLEGAVKLPASGVKTHCPNPGFPEKTNSTQCPQYGSYNSGSDCTRCAGTEPAVG 420
QY 421 FEKKWNTLPTNNETTVLSGINSFYKGMGMEVAGSHITTAAGASNDNMILLVYVGR 480
DB 421 FEKKWNTLPTNNETTVLSGINSFYKGMGMEVAGSHITTAAGASNDNMILLVYVGR 480
QY 481 PPOSVADTENKVAITFEFETLCSVNCLELYFMVGNRTTPVETWGSKXOSYTI 540
DB 481 PPOSVADTENKVAITFEFETLCSVNCLELYFMVGNRTTPVETWGSKXOSYTI 540
QY 541 IEBNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVMVNGVASYCPCLAEADVGS 600
DB 541 IEBNTTSTFWAFORTTFHEASRKYNDVAKIYSINVTVMVNGVASYCPCLAEADVGS 600
QY 601 SCSCPAGYITDSDGCHSCPNTILKAQPYGVACVCGGCTKNNKIHSLCNDGCF 660
DB 601 SCSCPAGYITDSDGCHSCPNTILKAQPYGVACVCGGCTKNNKIHSLCNDGCF 660
QY 661 SRNTPTRTNINYSALANTVTTLAGPSFTSGKLXPFHFTLLSCGNQGRKMSVCTDNVTD 720

DB 661 SRNTPTRTNINYSALANTVTTLAGPSFTSGKLXPFHFTLLSCGNQGRKMSVCTDNVTD 720
QY 721 LRIPEGESGFSKSTAYAYCQAVIIPEVYGYKAVSSQPVSLADRLIGVTTDMTLDGITS 780
DB 721 LRIPEGESGFSKSTAYAYCQAVIIPEVYGYKAVSSQPVSLADRLIGVTTDMTLDGITS 780
QY 781 PAELFHESLGIPVIFPFRSNDVTOCSSRSRTTIVRCSPOKTVPGSILLPCTGSDGT 840
DB 781 PAELFHESLGIPVIFPFRSNDVTOCSSRSRTTIVRCSPOKTVPGSILLPCTGSDGT 840
QY 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIQKTTYVWREPKLCSGGISLPEQRYT 900
DB 841 CDGCFHFLWESAAACPLCSVADYHAIVSSCVAGIQKTTYVWREPKLCSGGISLPEQRYT 900
QY 901 ICKTIDFWLKXGISAGCTTALLTVLTCYFKKXQKLEKYSKLVNMAATLKDCLPADS 960
DB 901 ICKTIDFWLKXGISAGCTTALLTVLTCYFKKXQKLEKYSKLVNMAATLKDCLPADS 960
QY 961 CAIMEGEDVEDDLIFTSKNSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKNSLGR 984

RESUR 15
US-10-127-900A-38
Sequence 38, Application US/10127900A
Publication No. US20030203423A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerdesen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333081C81
CURRENT APPLICATION NUMBER: US/10/127, 900A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550


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; SEQ ID NO 38
; LENGTH: 1013
; TYPE: PRT
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 877, 882
; OTHER INFORMATION: unknown amino acid
US-10-127-900A-38

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Query Match      97.0%; Score 5341; DB 12; Length 1013;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 974; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

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QY 1 MAEPGSHLSARVRTERRIPLMLRLIMAGTAQVOTGPELHACKSESEHYEYTA 60
DB 1 MAEPGSHLSARVRTERRIPLMLRLIMAGTAQVOTGPELHACKSESEHYEYTA 60
QY 61 CDSTGRMRVAVPHTPGLCTSLPDYKTECSFSCNAGEFLDMKQSCKPCAEGRYSLGT 120
DB 61 CDSTGRMRVAVPHTPGLCTSLPDYKTECSFSCNAGEFLDMKQSCKPCAEGRYSLGT 120
QY 121 GIRPDEWDELPHGFASLSANMELDLSAESTGCTSSKWPFRGDYIAFNTDECTATLMYA 180
DB 121 GIRPDEWDELPHGFASLSANMELDLSAESTGCTSSKWPFRGDYIAFNTDECTATLMYA 180
QY 181 VNLKQSGTNEEYYPDSIIIEFFVQNDCCOPNADSRMKTTEKGEFHSVELNRGN 240
DB 181 VNLKQSGTNEEYYPDSIIIEFFVQNDCCOPNADSRMKTTEKGEFHSVELNRGN 240
QY 241 VLYMRTTASVMTKVPKPLVNRNIALTGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
DB 241 VLYMRTTASVMTKVPKPLVNRNIALTGVAITSECPCKPGTYADKQSSFCCLCPANSY 300
QY 301 SNKGETSCHQCPDPKSEKSSCNRPACTDKDYFYHTACDANGETOLMYKMAKPKIC 360
DB 301 SNKGETSCHQCPDPKSEKSSCNRPACTDKDYFYHTACDANGETOLMYKMAKPKIC 360
QY 361 SEDLEGAVLPAAGVYTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
DB 361 SEDLEGAVLPAAGVYTHCPNCPGFFKTNNSCTQCPYGSYNSGSDCTRCRPAETPAVG 420
QY 421 FEYKMNNTLPTNMTTVLSGINFYKMTGMEVAGDHIYTAAGASDNDPMILTVVPGFR 480
DB 421 FEYKMNNTLPTNMTTVLSGINFYKMTGMEVAGDHIYTAAGASDNDPMILTVVPGFR 480
QY 481 PROSVADTENKEVARITVFETLCSVNCLELYFMGVNSRNTNPVEYTWKSGKQSYTYI 540
DB 481 PROSVADTENKEVARITVFETLCSVNCLELYFMGVNSRNTNPVEYTWKSGKQSYTYI 540
QY 541 IEBNTTSTFWAFORTTFHBAARKYTNDAKIYISINVTVMNGVASYCRPCALASDVGS 600
DB 541 IEBNTTSTFWAFORTTFHBAARKYTNDAKIYISINVTVMNGVASYCRPCALASDVGS 600
QY 601 SCTSCAGYIYIDSDSTCHSCPNTILKAHQPIGVQACVCPGPTNNKIHSLCYNDCTF 660
DB 601 SCTSCAGYIYIDSDSTCHSCPNTILKAHQPIGVQACVCPGPTNNKIHSLCYNDCTF 660
QY 661 SNTPTRTFNYSALANTVTLAGPSFTSKGLKYFHHFTLSLCNGQGRKMSVCTDNVTD 720
DB 661 SNTPTRTFNYSALANTVTLAGPSFTSKGLKYFHHFTLSLCNGQGRKMSVCTDNVTD 720
QY 721 LAIPEBESGFSKSITLYVQAVIIPREVTGYKAGVSSQPVSLADRLIGYTTMTLDGITS 780
DB 721 LAIPEBESGFSKSITLYVQAVIIPREVTGYKAGVSSQPVSLADRLIGYTTMTLDGITS 780
QY 781 PAELFHLBSLGI PDVIFFRSNDVTQSCSGRSTTRVCSPOKTVPGSILPQCSDDT 840
DB 781 PAELFHLBSLGI PDVIFFRSNDVTQSCSGRSTTRVCSPOKTVPGSILPQCSDDT 840
QY 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPELCSGGISLPQRYT 900
DB 841 CDGCFHFLMESAAACPLCSVADYHAIVSSCVAGIOKTTYVWREPELCSGGISLPQRYT 900

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QY 901 ICTTIDFWLKVGISAGTCTAILLTVLTCYFWKKNQKLEYKSKLVNNAATLKDCDLPAAADS 960
DB 901 ICTTIDFWLKVGISAGTCTAILLTVLTCYFWKKNQKLEYKSKLVNNAATLKDCDLPAAADS 960
QY 961 CAIMEGEDVEDDLIFTSKNHSLGR 984
DB 961 CAIMEGEDVEDDLIFTSKKSIFGK 984

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Search completed: June 18, 2004, 11:44:36
Job time : 58 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 18, 2004, 11:26:31 ; Search time 23 Seconds

(without alignments)
2246.852 Million cell updates/sec

Title: US-10-046-433-40

Sequence: 1 NAEFGSHLSARVRGRTER.....IGRSNHLPRGLMDLQCR 1001

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2491	45.2	495	US-09-673-395A-173	Sequence 173, App1
2	252	4.6	1576	US-09-562-702A-24	Sequence 24, App1
3	252	4.6	1576	US-09-561-818A-24	Sequence 24, App1
4	252	4.6	1584	US-09-562-702A-28	Sequence 28, App1
5	252	4.6	1609	US-09-562-702A-22	Sequence 22, App1
6	252	4.6	1609	US-09-561-818A-22	Sequence 22, App1
7	252	4.6	1617	US-09-562-702A-26	Sequence 26, App1
8	233	4.2	3594	US-09-911-842A-4	Sequence 4, App1
9	229.5	4.2	1572	US-09-562-702A-32	Sequence 32, App1
10	229.5	4.2	1572	US-09-561-818A-28	Sequence 28, App1
11	229.5	4.2	1605	US-09-562-702A-30	Sequence 30, App1
12	229.5	4.2	1605	US-09-561-818A-26	Sequence 26, App1
13	209.5	3.8	3571	US-09-911-842A-2	Sequence 2, App1
14	192	3.5	1587	US-09-561-818A-10	Sequence 10, App1
15	192	3.5	1587	US-09-561-709A-3	Sequence 3, App1
16	177.5	3.2	1193	US-08-400-159-10	Sequence 10, App1
17	177.5	3.2	1193	US-08-611-729A-10	Sequence 10, App1
18	174	3.2	1765	US-09-562-702A-16	Sequence 16, App1
19	174	3.2	1765	US-09-561-818A-16	Sequence 16, App1
20	174	3.2	1786	US-09-562-702A-14	Sequence 14, App1
21	174	3.2	1786	US-09-561-818A-14	Sequence 14, App1
22	172.5	3.1	3084	US-09-562-702A-12	Sequence 12, App1
23	172.5	3.1	3084	US-09-562-702A-10	Sequence 10, App1
24	172.5	3.1	3111	US-08-460-309-4	Sequence 4, App1
25	172	3.1	3111	US-08-125-077-4	Sequence 4, App1
26	172	3.1	3111	US-08-125-077-4	Sequence 4, App1
27	170	3.1	1725	US-09-562-702A-20	Sequence 20, App1

28	170	3.1	1725	4	US-09-561-818A-20	Sequence 20, App1
29	170	3.1	1786	4	US-09-562-702A-18	Sequence 18, App1
30	170	3.1	1786	4	US-09-561-818A-18	Sequence 18, App1
31	167	3.0	610	6	5217870-2	Parent No. 5217870
32	166.5	3.0	3088	4	US-09-562-702A-8	Sequence 8, App1
33	166.5	3.0	3089	4	US-09-562-702A-4	Sequence 4, App1
34	166.5	3.0	3110	4	US-09-562-702A-2	Sequence 2, App1
35	166.5	3.0	3110	4	US-09-562-702A-6	Sequence 6, App1
36	166.5	3.0	3110	4	US-09-561-709B-7	Sequence 7, App1
37	164	3.0	610	1	US-08-365-470-3	Sequence 3, App1
38	164	3.0	610	3	US-09-209-668-19	Sequence 19, App1
39	164	3.0	610	4	US-09-009-490A-89	Sequence 89, App1
40	163	3.0	2165	4	US-09-800-729-155	Sequence 155, App1
41	161.5	2.9	2523	1	US-08-165-432-18	Sequence 18, App1
42	161.5	2.9	2523	4	US-08-899-232-3	Sequence 3, App1
43	160.5	2.9	1111	1	US-08-317-450B-15	Sequence 15, App1
44	160.5	2.9	1111	3	US-08-800-593-15	Sequence 15, App1
45	160.5	2.9	1193	1	US-08-317-450B-13	Sequence 13, App1

ALIGNMENTS

RESULT 1									
US-09-673-395A-173									
Sequence 173, Application US/09673395A									
Patent No. 6620923									
GENERAL INFORMATION:									
APPLICANT: SPECHT, THOMAS									
APPLICANT: HINZMANN, BERND									
APPLICANT: SCHMITT, ARMIN									
APPLICANT: PILARSKY, CHRISTIAN									
APPLICANT: DAHL, EDGAR									
APPLICANT: ROSENTHAL, ANDRE									
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE									
FILE REFERENCE: ALBRE-12									
CURRENT APPLICATION NUMBER: US/09/673,395A									
CURRENT FILING DATE: 2000-10-17									
NUMBER OF SEQ ID NOS: 637									
SOFTWARE: Patent In Ver. 2.1									
SEQ ID NO 173									
LENGTH: 495									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-673-395A-173									
Query Match									
Best Local Similarity 98.9%; Pred. No. 1.1e-215;									
Matches 461; Conservative 1; Mismatches 4; Indels 0; Gaps 0;									
QY	519	SRINTPVETWKGSGKQSYIIEBNTTSGFTMAFQRTTFRHAKRYTNDYAKYSINVT	578						
DB	1	SRINTPVETWKGSGKQSYIIEBNTTSGFTMAFQRTTFRHAKRYTNDYAKYSINVT	60						
QY	579	NVNVGVASVYCPCLLEASDVSSCTSCPAGYIIDRDGTCGSCPPNTILKXHQYVQAC	638						
DB	61	NVNVGVASVYCPCLLEASDVSSCTSCPAGYIIDRDGTCGSCPPNTILKXHQYVQAC	120						
QY	639	VPCGGTNNKIHSLCYNDCTFSNPTPTFTNNVFSALANTVTTLAGBPSFTSKLKYFHH	698						
DB	121	VPCGGTNNKIHSLCYNDCTFSNPTPTFTNNVFSALANTVTTLAGBPSFTSKLKYFHH	180						
QY	639	FTLSICGQGRKMSVCDNVTDLIIPGSESEFSSTAYVQAVIIPPEVGYAGVSSQ	758						
DB	181	FTLSICGQGRKMSVCDNVTDLIIPGSESEFSSTAYVQAVIIPPEVGYAGVSSQ	240						
QY	759	PVSIADRLIGVTTMTDLIGTSPALFHLBSLGIPVIFFRSNDVYQSCSSGRSTIRV	818						
DB	241	PVSIADRLIGVTTMTDLIGTSPALFHLBSLGIPVIFFRSNDVYQSCSSGRSTIRV	300						
QY	819	RCSFQKTVPGSLLPFGTCSDGTCGNCNHFPLMESAAACPLCSVADYATVSSCYAGIOKT	878						
DB	301	RCSFQKTVPGSLLPFGTCSDGTCGNCNHFPLMESAAACPLCSVADYATVSSCYAGIOKT	360						

QY 879 TTYWREPKCSGSIPEORVITCKITIDFMKVGISAGTCTAILTLVLCYFMKNOKLE 938
 DB 361 TYWREPKCSGSIPEORVITCKITIDFMKVGISAGTCTAILTLVLCYFMKNOKLE 420
 QY 939 YKXSKLVNATLKDCLPAPADSCAIMEGDEVEDDLIFTSKNSLGR 984
 DB 421 YKXSKLVNATLKDCLPAPADSCAIMEGDEVEDDLIFTSKNSLGR 466

RESULT 2
 US-09-562-7024-24
 ; Sequence 24, Application US/095627024
 ; Patent No. 6632790
 ; GENERAL INFORMATION:
 ; APPLICANT: Yurchenco, Peter
 ; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
 ; FILE REFERENCE: 99-274-B
 ; CURRENT APPLICATION NUMBER: US/09/562,702A
 ; PRIOR FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: 60/155,945
 ; PRIOR FILING DATE: 1999-09-24
 ; PRIOR APPLICATION NUMBER: 60/143,289
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: 60/139,198
 ; PRIOR FILING DATE: 1999-06-15
 ; PRIOR APPLICATION NUMBER: 60/131,720
 ; PRIOR FILING DATE: 1999-04-30
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 24
 ; LENGTH: 1576
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-562-7024-24

Query Match 4.6%; Score 252; DB 4; Length 1576;
 Best Local Similarity 19.6%; Pred. No. 4,4e-13;
 Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

QY 23 PRLMRLLMAGTAFQVT-----QGTPELHACKES-----EYHYEYTAOISTGSRW 68
 DB 97 PSSINILHLHGKAFDITLYRLKPHTRSPPSFALYKTRREDGPWIPQYVSGSCENTYSKA 156
 QY 69 RYAVPHTPG-----LCTSLDPVYKTECSFSCNAGFLDMKOOSCKPCAEGRYSIGTGR 123
 DB 157 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAVST--- 191
 QY 124 FDEWDELPHGFASLSANMELDSSAESTGNCSTSSKVPKPGDYIAFTDECTATLMYAVNL 183
 DB 192 -----LEGRPSAVNFDSNVPVQEVYATND-----IRVTL 220
 QY 184 KQSGTVNFE-----YYPPDSIIIEFPVQNDQCPNADDSRMKTKTEKMEFHSV 233
 DB 221 NRIINTFGDEVFNDPKYLKSKYYVAISD-----FAVGRCKCNHASECMCN-----EFDCL 270
 QY 234 ELNRGNVNL-----YWRRTAFSVTVTPVLPVLYRNIAITGVAVYTSCEPFC 278
 DB 271 VCNCKRNTYVNDCEKCLPFNDKPRRATDES-----ASECLPFC 309
 QY 279 -----KPGTY-----ADKQSSFFCLCPANSY-----SNKGETSCHQCD 312
 DB 310 DCMGRSQECYFDELYRSTGHGCTNCCDNTGACRCREPFRLGNNEACSSCH--CS 368
 QY 313 P-----DKYSEKSSSCNVRPA-----CTDKQYFYTHT-----ACANGETOLM 351
 DB 369 PVGSLTQCDISYR-----CCKPFGWGDCKDCRCQPGFHSLTBAGCRPCSCDPSGIDEC 423
 QY 352 YKMAKPKICSEDEGAVKLPASGVKTHCPNCPNGFFKTNST-----CQPCPYSGSYSGSDC 408
 DB 424 NVEBTGRVCYKDNVEG-----FNCERCKPGFNLSSNPRGCTPC--PCFGHSSVC 471
 QY 409 TRCPAGTERAVGSEYKMNMTLPINMETVLSGINFEYKMGKTGNEVAGDHIITAAAGASND 468

DB 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDRGSEASLEWSSEROD 513
 QY 469 FMILT-----LVPGFRPPQSMADTENEKVARITFEVET---LCSVACEIYPMGVN 518
 DB 514 IAVISDSYFPYRFLAPKFLGKOVLSTYGN-----LSFSFRVDRDTRUSAEVLVBGAG 568
 QY 519 SRTNTPVEYWKGS--KGQSYTYLIEBNTTTSFTM-----AFQ-----RTTFH 559
 DB 569 LRVSFPLAOGNSYPSSTYVYKVRFLHEATDYPFRPALTFEFOKLNNLTSIKIRGTYS 628
 QY 560 EASRKYNDVAKI-----YGIN 576
 DB 629 ERAGYLDVYTLASARPGVPATWVESCTCPVYGQGFCEKCLSGYRRETPNLGPYSPC 668
 QY 577 VTNVNGVASYCRP-----CALEASDVSSCTSCGAGYIIRDSGT---CHSCP--PNTILK 628
 DB 689 VLCAKNGHSETCDEFTGVCNCRDNTAGPHKEKSDGYGSGTAGTSDDCPCGPGSSC 748
 QY 629 AHQPYGVQ-ACVPCPGPTKNNKTHSLC---YNDCTSRNTPTR-----TFYVNSALA 677
 DB 749 AVPEKTEKVVCTNCPGTGTRKC-ELCDDGYFSDPLGRNRPVRLCRLCQCSNDIDPVAVG 807
 QY 678 NTVTLAGSPFTSKGLKVPFH-----FTLSLGNQGRKMSVCTDNTVTLRIP 724
 DB 808 NCRPLTG-----ECLKCTVNTAGFYCDRCKDGFGNPLAPNADCKKACNCR-----P 855
 QY 725 EGSEGFSSKITAYVQAVIIPPEYTYGKAV-----SSQPVSIAD-RLIGVTTDM- 773
 DB 856 YGTMKQSSCNVPYVQCECL-PHYTGQDCGACDPGFYNLQSGQGCERCDHALGSTVQGC 914
 QY 774 -----TLDGISPRLFHLBSLGPVLIFFRSDVTVQSSSGSTIIRVCSPOKT 825
 DB 915 DIRTGCECPGRTIGQ---HCERC---EYNHGFGEGCKPCD-----CAPE-- 955
 QY 826 VPGSILL-----PGTCS-----DGTCDGCFNHPFL---WESAAACPLC---SVADY 864
 DB 956 --GSLSLQCKDGRGCEBEGVGNRCODQCEBENFYRNSWVGCGCECPACVYLVXKVDADH 1012

RESULT 3
 US-09-561-818A-24
 ; Sequence 24, Application US/09561818A
 ; Patent No. 6638907
 ; GENERAL INFORMATION:
 ; APPLICANT: Kortessmaa, Jarkko
 ; TITLE OF INVENTION: Laminin 8 and Methods for Its Use
 ; FILE REFERENCE: 99/274-D
 ; CURRENT APPLICATION NUMBER: US/09/561,818A
 ; CURRENT FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 24
 ; LENGTH: 1576
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-561-818A-24

Query Match 4.6%; Score 252; DB 4; Length 1576;
 Best Local Similarity 19.6%; Pred. No. 4,4e-13;
 Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;
 QY 23 PRLMRLLMAGTAFQVT-----QGTPELHACKES-----EYHYEYTAOISTGSRW 68
 DB 97 PSSINILHLHGKAFDITLYRLKPHTRSPPSFALYKTRREDGPWIPQYVSGSCENTYSKA 156
 QY 69 RYAVPHTPG-----LCTSLDPVYKTECSFSCNAGFLDMKOOSCKPCAEGRYSIGTGR 123
 DB 157 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAVST--- 191
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Db 192 -----LEGRPSAYNFNDSPVQEWYATD-----IRVTL 220
QY 184 KSGTYNFE-----YYPPDSSIIFFEFVQNDQOPNADSRMKTKTEKMEFHSV 233
Db 221 NRIINTFGEVDENPKVLKSYVIAISD-----FAVGGRCKNGHASECKM-----EPDKL 270
QY 234 ELNRGNVYL-----YMRTPASVWTKPKVLYVNRNIAITGVAATSCFPC 278
Db 271 VCNCKHNTYVDCEKCLPFNDPRPWRATAS-----ASECLPC 309
QY 279 -----KPGTY-----ADKQSSFCCLCPANSY-----SNKGETSCHQCD 312
Db 310 DGNRSGQCYFDEPDLVYSTGHGHCNTCQNDTGAHCERENRPNRGNNEACSSCH-CS 368
QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYHT-----ACDANGETOIM 351
Db 369 PVGSLSTQCDSYR-----CCKRPGVMDKCDRCQPGFHSILTAGCRPCSCDPSGSDIC 423
QY 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNCPGFEFTNNST-----COPCPYGSYNSGSDC 408
Db 424 NVETGRVCCKDNVSG-----FNCERCKPGFNLBSNPRGCTPC-----FCFGHSVVC 471
QY 409 TRCPAGTEPAVGEYKMMNTLPTNMETVLISGINFEYKGTGWEVAGDHIYTAAGASDND 468
Db 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDQSEASLEWSESD 513
QY 469 FMILT-----LVVPGFRPQSVADTENKEVARITFEET-----LCSVNCLEYFMVGVN 518
Db 514 IAVISDSYFPRYFIAPAKFLGKOVLSYGN-----LSFSFRVDRDRTRUSAEVLIEGAG 568
QY 519 SRNTPEVETWKS-KGKOSYTYIIENNTTSFTM-----AFQ-----RTTPH 559
Db 569 LRAVSFPLAOGNSVSETTVKVFRLHEATDYMWRPALTPFEFOXLNNLTSIKIGTVS 628
QY 560 EASRKYTNDVAKI-----YGIN 576
Db 629 ERASGYLDVTLASARPGVPATWVESCTCPVGGQFCMCLSGYRRETPNLGPSPC 688
QY 577 VTWNWGVASYCRP-----CALEASDVSSCTSCPAGYIIDRDSGT-----CHSCP-PNTILK 628
Db 689 VLACNHSSTCDBETVVCNCRDNTAGPHCEKSDGYGDSITAGTSDCQPCPCGGSSC 748
QY 629 AHOPYGVQ-ACVPCGPETKNNKIHSLC-----YNDCTFSRNTPTR-----TENYNSALA 677
Db 749 AVVPKTEVAVCTNCPCTTGKRC-ELCDDGYFGDPLGRNBPVRLCLCQSDNDIDENAVG 807
QY 678 NVTTLAGGSPFSTKGLKYFHH-----FTLSLQNGGRMSVCTDVTDLRTP 724
Db 808 NCRRLTG-----ECLKCIYNTAGFYCDRCCKGPFNGPLAPNADCKACNCR-----P 855
QY 725 EGSGFSKSIYAVVCAVILPEVTGYKGV-----SSQPVSLAD-RLIGVTTDM- 773
Db 856 YGTMKQSSCNPTVGCQECPL-PHVTGQDCGACDPGFYNLQSGGECRCDHALGSTNGOC 914
QY 774 -----TLDGTSRAELFHLLESIGIPDIFFYRNDVTQSSSRSRTTIRKCRPQCT 825
Db 915 DIRTGCEOCOPGILGO-----HCERC-----EVNHFGEBCGKPCD-----CHPE- 955
QY 826 VPSSLL-----PGTCS-----DGTCDGCFNHL-----WESAACPLC-----SVADY 864
Db 956 -GSLSTQCKDRCEREGFVGNRCDQCEENYFYRSMVGCQECGACVRLVMDKXADH 1012

RESULT 4
US-09-562-702A-28
; Sequence 28, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562, 702A
; CURRENT FILING DATE: 2000-04-28

QY PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 28
; LENGTH: 1584
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-28

Query Match 4.6%; Score 252; DB 4; Length 1584;
Best Local Similarity 19.6%; Pred. No. 4.4e-13;
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

QY 23 PRLMELLMAGTAPQVT-----OCTGPELACKES-----EYHETACDSTGSRM 68
Db 97 PSSINLTLLGKAFDITVRLKEHTSRPSFAIYRTREDGPWLPYQYSGSCENTYKKA 156
QY 69 RYAVPHTPG-----LCTSLPDPVKGTSCSFSCNAGEFLDMKDQSCPCAEGRYSIGTIR 123
Db 157 NRGFIRTGDEQALCTD-----EFEDI-----SPLTGNVAFST--- 191
QY 124 FDEWDELPHGFASLANELDSDAESTGNCSTSKWPRGDIYIAWNTDECTATLMYAVNL 183
Db 192 -----LEGRPSAYNFNDSPVQEWYATD-----IRVTL 220
QY 184 KSGTYNFE-----YYPPDSSIIFFEFVQNDQOPNADSRMKTKTEKMEFHSV 233
Db 221 NRIINTFGEVDENPKVLKSYVIAISD-----FAVGGRCKNGHASECKM-----EPDKL 270
QY 234 ELNRGNVYL-----YMRTPASVWTKPKVLYVNRNIAITGVAATSCFPC 278
Db 271 VCNCKHNTYVDCEKCLPFNDPRPWRATAS-----ASECLPC 309
QY 279 -----KPGTY-----ADKQSSFCCLCPANSY-----SNKGETSCHQCD 312
Db 310 DGNRSGQCYFDEPDLVYSTGHGHCNTCQNDTGAHCERENRPNRGNNEACSSCH-CS 368
QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYHT-----ACDANGETOIM 351
Db 369 PVGSLSTQCDSYR-----CCKRPGVMDKCDRCQPGFHSILTAGCRPCSCDPSGSDIC 423
QY 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNCPGFEFTNNST-----COPCPYGSYNSGSDC 408
Db 424 NVETGRVCCKDNVSG-----FNCERCKPGFNLBSNPRGCTPC-----FCFGHSVVC 471
QY 409 TRCPAGTEPAVGEYKMMNTLPTNMETVLISGINFEYKGTGWEVAGDHIYTAAGASDND 468
Db 472 TN-----AVGYSV-----YSISSTFOIDEDGWRARQDQSEASLEWSESD 513
QY 469 FMILT-----LVVPGFRPQSVADTENKEVARITFEET-----LCSVNCLEYFMVGVN 518
Db 514 IAVISDSYFPRYFIAPAKFLGKOVLSYGN-----LSFSFRVDRDRTRUSAEVLIEGAG 568
QY 519 SRNTPEVETWKS-KGKOSYTYIIENNTTSFTM-----AFQ-----RTTPH 559
Db 569 LRAVSFPLAOGNSVSETTVKVFRLHEATDYMWRPALTPFEFOXLNNLTSIKIGTVS 628
QY 560 EASRKYTNDVAKI-----YGIN 576
Db 629 ERASGYLDVTLASARPGVPATWVESCTCPVGGQFCMCLSGYRRETPNLGPSPC 688
QY 577 VTWNWGVASYCRP-----CALEASDVSSCTSCPAGYIIDRDSGT-----CHSCP-PNTILK 628
Db 689 VLACNHSSTCDBETVVCNCRDNTAGPHCEKSDGYGDSITAGTSDCQPCPCGGSSC 748
QY 629 AHOPYGVQ-ACVPCGPETKNNKIHSLC-----YNDCTFSRNTPTR-----TENYNSALA 677

DB 749 AVPKRKEVCTNCPGTGTGRC-ELCDGVDGDPGRNGPRLCRLOCCSNDIPNVAVG 807
QY 678 NTVTLAGSBSFTSGKJTFHH-----FTSLCGNQGRKMSVCTDNTVDLRIP 724
DB 808 NCRRLTG-----ECKJCIYNTAGFYCDRCCKDGFENPLAPNPADKCKACNKN-----P 855
QY 725 EGSBSGSKSTAVVCAVIAIPEVTVYKAGV-----SSQPVSLAD-RLIGVTTDM- 773
DB 856 YGTMKQSSCNPTVQCECL-PHYTGODGACDPCGYNIOGQGCRCCHALGSTNGQC 914
QY 774 -----TLDGITSPALFHLFSLGIPVIFPYSNDVTQSCSGRSTTIRVRCSPKXT 825
DB 915 DIRTGCECOPGITGQ-----HCERC---EVNHFGFEGECCKPCD-----CHPE-- 955
QY 826 VPSSLL-----POTCS-----DGTCDGQCNFHL-----WESAACPJC-----SVADY 864
DB 956 --GSLSLQCKDDRCRCRGEFVGNRCDCQCEBNFYNRSMFGCQCECPACTRYLVKDYADH 1012

RESULT 5

US-09-562-702A-22
Sequence 22, Application US/09562702A
Patent No. 6632790
GENERAL INFORMATION:
APPLICANT: Yunchenco, Peter
TITLE OF INVENTION: Laminin 2 and Methods for Its Use
FILE REFERENCE: 99-274-B
CURRENT APPLICATION NUMBER: US/09/562,702A
PRIOR APPLICATION NUMBER: 60/155,945
PRIOR FILING DATE: 1999-09-24
PRIOR APPLICATION NUMBER: 60/143,289
PRIOR FILING DATE: 1999-07-12
PRIOR APPLICATION NUMBER: 60/139,198
PRIOR FILING DATE: 1999-06-15
PRIOR APPLICATION NUMBER: 60/131,720
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 1609
TYPE: PRT
ORGANISM: Homo sapiens
US-09-562-702A-22

Query Match 4.6%; Score 252; DB 4; Length 1609;
Best Local Similarity 19.6%; Pred. No. 4.5e-13;
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

QY 23 PRLMRLLIMAGTAFOYT-----QGTGPELHACKES-----EYHEVTAQDSTGSRM 68
DB 130 PSSINLTLLHGKAFDITYVRLKPHTRSPESFATYKTRREDGPMIYQYTSGCCENTYSKA 189
QY 69 RVAVPHTPG-----LCTSLDPVYKTECSFCNAGEFLDMKQSCPKCAEGRYSLGTGR 123
DB 190 NRGIRIRGDEQALCTD-----EFSPI-----SPLTGGVAVFST--- 224
QY 124 FDEWDELPHGFASISAMEJDDSAESTGCTSSKVVPRGDYIAFTDECTATIMAVNL 183
DB 225 -----LEGRPSAYNFDSNPLQEWLTATD-----IRVTL 253
QY 184 KQSGTVNFE-----YYPPDSIIFFVONOCOPNADSPWMTTEKGMFEHSHV 233
DB 254 NRLNTBEDVFNPKVLYKSYIAISD-----FVAGRCCKNGASACMKN-----EFDKL 303
QY 234 ELNRGNVNL-----YMETTAFSVWTVKPEVLVLRNIAITGVATSGCPFC 278
DB 304 VCNCKHNTYGVDECKLPFNDRPWRRAIAES-----ASECLPC 342
QY 279 -----KPGTY-----ADKQSSPFCKLCPANSY---SNKGETSCHQCD 312
DB 343 DCMGRSOECYFPDELLYRSTGHGCHCTNCDNTDGAHCRERENFFRLGNNEACSSCH-CS 401

QY 313 P-----DKYSEKSSSCNVBP-----CTDKDYFYTHT-----ACDANGETOLM 351
DB 402 PVGSLSTQCCSYGR-----CSCKRQVWGDCKDRCPQGFHSLTBAQCRPCSCDPSGSIDEQ 456
QY 352 YKMAKPCICEBDELGAVKLAFAAGVKTHCPPCNNGFPETNNST---QPCPYGSYSNGSDC 408
DB 457 NVETGRCCVCKDNVEG-----FNCECKRKGFFLESNNRGCTPC--FCFGHSSVC 504
QY 409 TRCPAGTEPAVGFPEYKMWNTLPTNMTETTVSGINFEYKGMTEVAGDHIYTAAGASDND 468
DB 505 TN-----AVGVYV-----YSISFTQIDBDGMRARQSGSEASLEMSEROD 546
QY 469 FMILT-----LVNPGFRPPQSYMADTENKEVARITFVET---LQVNCGLYFNVGVN 518
DB 547 IAVISDSYFPRYFAPAKFLGKQVLSYQN-----LSFSPRVDRDTRLSAEDLVLEGAG 601
QY 519 SRNTPEVETMKGS-KGQSYTYIIEBNTTTSFTM-----AFO-----RTTFH 559
DB 602 LKVSVPILAQGNSTPSETTVKYVFRLEAIDYERPRALTFEERQKLANLNTSIKIGTYS 661
QY 560 EASRKYNDVAKI-----YGIN 576
DB 662 ERSAGYLDVTLASARPGVPATWVESCTCPVYGQGFCEMCLSGYRRETPNLGYPSPC 721
QY 577 VTNMANGVASYCRP-----CALASDVSSCTSCPAGYIDRDSGT---CHSCP-PNTILK 628
DB 722 VLCACNHSSETCDETCVNCNCRDNTAGPHCEKSDGYTGSTIGTSSDCPCPCPGSSC 781
QY 629 AHQPYGVQ-ACVPGPSTKXNKXIHSLC-----YNDCTFSRNPTR-----TFYVNSALA 677
DB 782 AVPKRKEVCTNCPGTGTGRC-ELCDGVPDGPDLRNGPVRILCRLOCCSNDIPNVAVG 840
QY 678 NTVTLAGSBSFTSGKJTFHH-----FTSLCGNQGRKMSVCTDNTVDLRIP 724
DB 841 NCRRLTG-----ECKJCIYNTAGFYCDRCCKDGFENPLAPNPADKCKACNKN-----P 888
QY 725 EGSBSGSKSTAVVCAVIAIPEVTVYKAGV-----SSQPVSLAD-RLIGVTTDM- 773
DB 889 YGTMKQSSCNPTVQCECL-PHYTGODGACDPCGYNIOGQGCRCCHALGSTNGQC 947
QY 774 -----TLDGITSPALFHLFSLGIPVIFPYSNDVTQSCSGRSTTIRVRCSPKXT 825
DB 948 DIRTGCECOPGITGQ-----HCERC---EVNHFGFEGECCKPCD-----CHPE-- 988
QY 826 VPSSLL-----POTCS-----DGTCDGQCNFHL-----WESAACPJC-----SVADY 864
DB 989 --GSLSLQCKDDRCRCRGEFVGNRCDCQCEBNFYNRSMFGCQCECPACTRYLVKDYADH 1045

RESULT 6

US-09-561-818A-22
Sequence 22, Application US/09561818A
Patent No. 6638907
GENERAL INFORMATION:
APPLICANT: Kortesmaa, Jari
TITLE OF INVENTION: Laminin 8 and Methods for Its Use
FILE REFERENCE: 99/274-D
CURRENT APPLICATION NUMBER: US/09/561,818A
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 1609
TYPE: PRT
ORGANISM: Homo sapiens
US-09-561-818A-22

Query Match 4.6%; Score 252; DB 4; Length 1609;
Best Local Similarity 19.6%; Pred. No. 4.5e-13;
Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;

QY 23 PRMLLLMAGTAPVOT-----QGTGPELHACKES-----EYHEVYACDSTGSRM 68
 DB 130 PSSINLTLLHKAFFDITVRLKFTHTSRPSFAIKTRREDGPMIPIQYSSGSCENTYSKA 189
 QY 69 RVAVPHTPG-----LCTSLDPVKGTECSFSCNAGEFLMDKQSCPCAEGRSLGTGR 123
 DB 190 NRGFTIRGDEQALCTD-----EFSDI-----SPLTGANVAFST--- 224
 QY 124 FDEWDELPHGFASLSANMELDSSAESTGCTSSKXVPRGDYIAFNTDECATLMAVAVL 183
 DB 225 -----LEGRPSAVNPDNSVLOEWYATD-----IRVTL 253
 QY 184 KQSGTVNFE-----YYPDSSIIFFVONQOCOPNADSRMKTTEKGMERHAY 233
 DB 254 NRIANTGDEVNDPKVTKSYIAISD-----FAVGRCKCKNGHASECKM-----EFDKL 303
 QY 234 ELNRGNVNL-----YWRTPASVWTKVPKPVLRNIAITGVAITSSEPC 278
 DB 304 VCNCKHNTYGVDCCKLPFFNDPWRATAS-----ASECLPC 342
 QY 279 -----KRGTY-----ADKQSSFCULCPANSY-----SNKGETSCHQCD 312
 DB 343 DGNRSQECYFDELYRSTGHGCTNCOQNTDGAHCRCRENFRLGNNEACSSCH-CS 401
 QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYTH-----ACDANGETOIM 351
 DB 402 PVGSLSTQCDSYR-----CSCKPVGWMDKCDRCQGFHSLITAGRCPCSDPSGIDEC 456
 QY 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNPGFETKNNST---CQPCPGYSYNSGSDC 408
 DB 457 NVEGRCKVCKDNVEG-----FNCRCKPFFNLSNPRGCTPC--FCGHSYVC 504
 QY 409 TRCPAGTEPAVGEFKMMNTLPTNMETVLSGINFEYKMTGWEVAGDHITYAAGSDMD 468
 DB 505 TN-----AVGYSV-----YSLSTFOIDEGMRAEQDSEASELWESSEROD 546
 QY 469 FMILT-----LVPGFRPQSVMADEKENKVARITFVEPT---LCSVNCELTFMVGYN 518
 DB 547 IAVISDSYFPRFYIAPAKFLGKQVLSYGQ-----LSFSFVDRDRTRLASDELVLGAG 601
 QY 519 SRNTPEVETWKS-KGKQSYTYIIENNTTSFTW-----AFQ-----RTTFH 559
 DB 602 LRVSVPILAGNSYSEETTVKYVFRLEATDYPMRPAITPFEOKLNNLTISIKIRGTYS 661
 QY 560 EASRKYTNDAKI-----YKRTAFSVWTKVPKPVLRNIAITGVAITSSEPC 278
 DB 662 ERSAGLIDVTLASARPGVPAWESCTCPVYGQFCCEMLSGYRRETPNLGYSFC 721
 QY 577 VTNVNGVASYCP-----CALEASDVSSCTSCPAGYIIDRDSGT---CHSCP-ENTILK 628
 DB 722 VLCACGSHSETCDPEYGVNCNCRDNTAGPHCEKSDSYGDTAGTSSDQCPCCPFGSSC 781
 QY 629 AHQPYGVQ-ACVPCGSGTKNNKIHSLC-----YNDCTSRMTPTM-----TNYNSALA 677
 DB 782 AVVPKREKVVCTNCPGTGKRC-ELCDDGYFEDPILGRNGVRLCPLCCOSSDIDIDNAG 840
 QY 678 NTVTLAAGSFTSKGKYFH-----FTLSLQNGGRMSYCTDNVTLRLP 724
 DB 841 NCURLG-----EGCKIYNTAGFYCDRCQDGFPGNPLAPNADCKXACNCC-----P 888
 QY 725 EBSGSGSKTAYVQCAVILPEVYTGKGV-----SSQPVSLAD-RILIGYTTM- 773
 DB 889 YGTMAQSSCNPVYTGCECL-PHVTGQDCGACDPGFYNIQSGGSCRCCHALGSLNGQC 947
 QY 774 -----TLDDITSPALFHLISLGIPIVIFYRNSNDVTOGSSGRSTTIRVCSPOKT 825
 DB 948 DIRTGCECPGTLTG-----HGERC-----EVNHHGPFPECKPCD-----CHPE- 988
 QY 826 VPSLSL-----POTCS-----DGTDCGNFHL-----WESAAACPLC-----SYADY 864
 DB 989 --GSLSLQCKDRCCEGREGFVGNRCDOCEENYFNRSWPGCOCEPACVRLVADKXADH 1045

RESULT 7
 US-09-562-702A-26
 / Sequence 26, Application US/09562702A
 / Patent No. 6632790
 / GENERAL INFORMATION:
 / APPLICANT: Yurchenco, Peter
 / TITLE OF INVENTION: Laminin 2 and Methods for Its Use
 / FILE REFERENCE: 99-274-B
 / CURRENT FILING DATE: 2000-04-28
 / PRIOR APPLICATION NUMBER: 60/155,945
 / PRIOR FILING DATE: 1999-09-24
 / PRIOR APPLICATION NUMBER: 60/143,289
 / PRIOR FILING DATE: 1999-07-12
 / PRIOR APPLICATION NUMBER: 60/139,198
 / PRIOR FILING DATE: 1999-06-15
 / PRIOR APPLICATION NUMBER: 60/131,720
 / PRIOR FILING DATE: 1999-04-30
 / NUMBER OF SEQ ID NOS: 32
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 26
 / LENGTH: 1617
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-09-562-702A-26
 Query Match 4.6%; Score 252; DB 4; Length 1617;
 Best Local Similarity 19.6%; Pred. No. 4.6e-13;
 Matches 212; Conservative 86; Mismatches 381; Indels 400; Gaps 54;
 QY 23 PRMLLLMAGTAPVOT-----QGTGPELHACKES-----EYHEVYACDSTGSRM 68
 DB 130 PSSINLTLLHKAFFDITVRLKFTHTSRPSFAIKTRREDGPMIPIQYSSGSCENTYSKA 189
 QY 69 RVAVPHTPG-----LCTSLDPVKGTECSFSCNAGEFLMDKQSCPCAEGRSLGTGR 123
 DB 190 NRGFTIRGDEQALCTD-----EFSDI-----SPLTGANVAFST--- 224
 QY 124 FDEWDELPHGFASLSANMELDSSAESTGCTSSKXVPRGDYIAFNTDECATLMAVAVL 183
 DB 225 -----LEGRPSAVNPDNSVLOEWYATD-----IRVTL 253
 QY 184 KQSGTVNFE-----YYPDSSIIFFVONQOCOPNADSRMKTTEKGMERHAY 233
 DB 254 NRIANTGDEVNDPKVTKSYIAISD-----FAVGRCKCKNGHASECKM-----EFDKL 303
 QY 234 ELNRGNVNL-----YKRTAFSVWTKVPKPVLRNIAITGVAITSSEPC 278
 DB 304 VCNCKHNTYGVDCCKLPFFNDPWRATAS-----ASECLPC 342
 QY 279 -----KRGTY-----ADKQSSFCULCPANSY-----SNKGETSCHQCD 312
 DB 343 DGNRSQECYFDELYRSTGHGCTNCOQNTDGAHCRCRENFRLGNNEACSSCH-CS 401
 QY 313 P-----DKYSEKSSSCNVRA-----CTDKDYFYTH-----ACDANGETOIM 351
 DB 402 PVGSLSTQCDSYR-----CSCKPVGWMDKCDRCQGFHSLITAGRCPCSDPSGIDEC 456
 QY 352 YKMAKPKICSEDLGAVKLPASGVKTHCPNPGFETKNNST---CQPCPGYSYNSGSDC 408
 DB 457 NVEGRCKVCKDNVEG-----FNCRCKPFFNLSNPRGCTPC--FCGHSYVC 504
 QY 409 TRCPAGTEPAVGEFKMMNTLPTNMETVLSGINFEYKMTGWEVAGDHITYAAGSDMD 468
 DB 505 TN-----AVGYSV-----YSLSTFOIDEGMRAEQDSEASELWESSEROD 546
 QY 469 FMILT-----LVPGFRPQSVMADEKENKVARITFVEPT---LCSVNCELTFMVGYN 518
 DB 547 IAVISDSYFPRFYIAPAKFLGKQVLSYGQ-----LSFSFVDRDRTRLASDELVLGAG 601
 QY 519 SRNTPEVETWKS-KGKQSYTYIIENNTTSFTW-----AFQ-----RTTFH 559
 DB 602 LRVSVPILAGNSYSEETTVKYVFRLEATDYPMRPAITPFEOKLNNLTISIKIRGTYS 661

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QY 560 EASRKYTNVAKI-----YSIN 576
DB 662 ERAGGLDVLTLASAPRGVATWVBSCTCPVYGGGFCMCLSGYRETFNLPSPSC 721
QY 577 VTNWNGVASYCRP-----CALEASDVSSCTSCPCAGYIIDRDSGT---CHSCP-ENTLIK 628
DB 722 VTCACNGHSETCDPEYVNCNCRDNTAGPHCEKCSDEYGDSTAGTSSDQCPCPCGSSSC 781
QY 629 AHQPVQVO-ACVPCGSGTGNKXKHSLSL---YNDCTSRNTPTTR-----TENYFSAIA 677
DB 782 AVPEKKEVCTNCPGTGTGKRC-ELCDGGRNEDPLGRGRPRLCRLOCCSNDIDPNVAG 840
QY 678 NTVTLAAGSPSFTSKGKYPFH-----FTLSLGNQGRKMSVCTDNTDLRIP 724
DB 841 NCRRLTG-----ECLKCIYNTAGFYCDRCXGFFGNPLAPNPADKCKACNCC-----P 888
QY 725 EGSSGSKSTAVCOAVIIPREVTGYKAGV-----SSQPSYIAD-RLIGVTTX- 773
DB 889 YGTMKQOSSCNPVYGOCECL-PRVTGQDQACDPCGYNIQSOGGECRCDCHALSTINGQC 947
QY 774 -----TLDGITSPAEIHFLESLSGIPVIFPYSNDVYOSGSGRSTTIEVRCSPKT 825
DB 948 DIRTGQCEQPGITGQ-----HCERC---EYNHGFGPEGCKPCD-----CHPE-- 988
QY 826 VPGSLLI---PGTCS-----DGTDCGCFHFL-----WESAAACPLC-----SVADY 864
DB 989 --GSLSLQCKDRCRCEGFGVGNRCDOCEENFYNRSWPGCOECPACTRYLYKXVADH 1045

RESULT 8
US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; PRIORITY FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 3594
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1757)..()
; OTHER INFORMATION: Xaa = any or unknown amino acid
US-09-911-842A-4

Query Match 4.2%; Score 233; DB 4; Length 3594;
Best Local Similarity 20.3%; Pred. No. 8.5e-11;
Matches 195; Conservative 105; Mismatches 332; Indels 328; Gaps 54;

QY 47 HACKESFHYEYTAACDSTGSRWVAVPHTPGLCTSPDPVKYRCSGNCAGFLPD--MK 104
DB 822 HGRKSEFMALYKTRCDMDLFFKFSAAFEYTLGNWV-----SF-CNDADDIDCRLE 872
QY 105 DOSCKPCABGRYSL-----GTGIRFD-EWD-----ELPHGF-----ASLSAN 140
DB 873 DLRFKYCIENYVYENGFAIGPGWAGNLDVSYHFLDVVQETPLDVGKARSSRIKRT 932
QY 141 MEUDDSAABSTGCTGCKWMP--RGDYIANTDECAITLMYAVNMLQSGTVAFEEYPPS 198
DB 933 VPLSDPKIQLIFITLAVPLPEERNDTLEENQORLIKTLETTNKLKSTLNKEPMYS-- 590
QY 199 SIFEEFVQNDQCCPNADBSRMKTEKGEFHSVELNRGNVLYWRTTAFSVMTVPKP 258
DB 991 ---FQLASFTVAVDSNLSL-----TEKAF-----LFCR-----PGS 1018

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QY 259 VLVENIAIT---GVAVT---SECFPCKPGTYADKQSSFCCKLCPANSYS---NKGETSC 308
DB 1019 VLRGRMCVNPPLGTSYLSHSTCESCLMGSYODEGELCKLCPPTHAEYLHRSVSEC 1078
QY 309 H-QCDPRKSEKSSGSSGNVAPACTDQYPTTHACANANGRTOLMYWAKXKISEDLIGA 367
DB 1079 KAQCKQGTSSSGLTESCPGLTYQPFQSR--SCLLCPEITTYV-----RGA 1126
QY 368 VKLPASGVKTHQPCNPGFKTNNST-QDQCP---YGSYNSGDCTRCPAGTEPAVGFEX 423
DB 1127 VDISACGV-----PCPVGEFSRSGLFCPCPDYQVQPNAGKSFCLACP----- 1170
QY 424 KMANITLPTNMTYVLSGINSFEYKMTGMEVAGHI--YTAGASDNDPMI----- 471
DB 1171 -FYGTTITGATSLTDCSSFS---STPSAEESTVPLVAPGHSQNKTEVSSGVFHECFL 1225
QY 472 -----LTLVPPGRPPQSVMADETNKVARITFEVETLC-----SVN 508
DB 1226 NPGHNSGTQQLAGRYCCLCPGY---TLKCEFDIDECSSLPCLNGICRDQVGFTCE 1282
QY 509 CELYFMVGVNSRNTPVETWKSGKQOSTYIIEBNTTTSFTWAFQRTTPEASRKYTD 568
DB 1283 CSL-----GYSGQ-----ICEEN-----INZ 1298
QY 569 VAKYISINTVNMVGVASYCRPCALASDVSSCTSCPCAY---YIDRDSGTCHS---CP 623
DB 1289 CTSPPCLNKGTCTDGLASY-----RCT-CYKRYMGVHCETDVNEGQSSPCLN 1344
QY 624 NTLIKAHQYGVQVA-CVPCGEGTKNKK-----IHSCLYNDCTSRNTPTTFYNSALA 677
DB 1345 NAVCK-DQVGFGSKCPGFLGTRCEKNVDECIQSOPONATCKDQ-----A 1390
QY 678 NTVTLAAGPSFTSKGLKXFFHFTLSL--C-GNGCRKMSVCTDNTDLRIPEGSGFSKSI 734
DB 1391 NSFRCCQCPAGTGT-----HCELINECOSNCRNATQVD-----EL 1428
QY 735 TAYVCOAVIIPREVTGYKAGVSGP--VSLADRLIGVTTMTLDGITSFAELFLESLSGI 792
DB 1429 NSYSCKC--QPGSGHRC-ETEQSGFNLDVEVSGIYGVLLDGL-----LPTLHA 1476
QY 793 PDVIFPFRNSNDVYOSGSGRSTTRVRCSPQKTVPGSLLLPSCSDGTCCGCFHFL--- 849
DB 1477 VTCAFMKSSDVI-----NQTPTSYALEDDK-----DWT-----FLTLD 1511
QY 850 ---W-----ESAACPLCSVADYH--AIVSSCVAGIQKTYVWR---EPKLCGSGIST 894
DB 1512 YNGWVLYVNGEKERTINPSVNDGIMHIALITWISIGS-----AMRYVLDGELSDGGTGL 1565

RESULT 9
US-09-562-702A-32
; Sequence 32, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenko, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIORITY FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 1572
; TYPE: PRT

```

ORGANISM: Mus musculus
us-09-562-702A-32

Query Match 4.2%; Score 229.5; DB 4; Length 1572;
Best Local Similarity 19.6%; Pred. No. 4.7e-11;

Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLLMAGTAFQVT-----OGTGPBLHACKES-----EYHYETACDSTGSRM 68
DB 95 PMSINLTLLHKAFAIDITYRLKFKHTSRPESFAIKYKTRREDGPMIPYQYSGSCENTYSKA 154
QY 69 RAVAPHTPG-----LCTSLDPVKGTECSFSCNAGFELDMKQSCPCABGRSLGTGR 123
DB 155 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAFST--- 189
QY 124 FDEWDELPHGFASLSANMELDASAESTGCTSSKWPFGDYIAFNTDECTATLMYAVNL 183
DB 190 -----LEGRPSAVNPDNSPVLQEWVATD-----IRVTL 218
QY 184 KQSGTVNFE-----YYPDSSIIFFEVQNDQCPNADSRMKTKTEKMEFHSV 233
DB 219 NRLNTEGDEVENDPKYLKSYTAAISD-----FAVGRCCKNGHASECVKN-----EFDKL 268
QY 234 ELNRGNVNL-----YWRTPAFSVTKVPKPVLRNIAITGVAYTSECPC 278
DB 269 MCNCKNNTYGVDECKCLPFENDRPMRRAITAES-----ASECLPC 307
QY 279 -----KPGTYADKQSSFCUKCPANSYSNKGTSCHQ-----CDPKYS 317
DB 308 DCMGRSQECYFDELRYSTGHGCHCTNCRDNTDAKCE-RRENPFRLGNTAEACSPCHCS 366
QY 318 EKSSSS-----CNVRPA-----CTDKDYFYHT-----ACDANGETOLMYKMAK 356
DB 367 PVGSLSTQCDSYRCCKPFGWGDCKDRCPGFHSLTEAGRPCSCDPSGSDTBCNVEIG 426
QY 357 PKICSEDLLEGAVLPAAGVKTGCPNCPGFFKTNST---CQPCPYGYSNGSDCTRCPA 413
DB 427 RVCXKDNVEG-----FNCERCKPGFENLESNPKGCTPC-FCFGHSSVCTN--- 471
QY 414 GTEPAVGE-YKMMNLTPLTMMETTVLSGINFYKMGTMGEV-----AGDHITY 460
DB 472 -----AVGYSVYDISSTFOIDED-----GMRVEQRDGSBASLEWSSDRQYI 512
QY 461 AAGASDNDFMLTLVVGFRPPQSVMADEKENKEVARITFVET---LCSVNCLELYFVAVG 517
DB 513 AV-ISDSYFPRYFIAVYKFLGNQ-VLSYGN-----LSFSFRVDRDRTLBSADLVLEGA 565
QY 518 NSRTPNPEVTWGS-KKQSYTYIIENNTTSFTW-----AFQ-----RTTF 558
DB 566 GLRVSVPFLAOGNSYSEETVKYIFRLHEATIDYPMRPAISPPEFQKLNNLISIKIRGY 625
QY 559 HEASRYKTNDVA-----YWRTPAFSVTKVPKPVLRNIAITGVAYTSECPC 278
DB 626 SESSAGYLDVITQASRPBGVPATWBSCTCFVGGQFCETCLBGRYRETPSLQYIP 685
QY 576 NATNVNNGVASYCRP---CALASDVSSCTSCPAYYIIDRDSGT---CHSCP----- 622
DB 686 CVLCTGNGHSETCDPETGVCDCRDNTAGPHCEKSGDYGDSTLGTSSDCQCPGSGSS 745
QY 623 ---PMT---ILKXHOYGV--QACVPCGCTKNNKHSICLYNDCTSRTPTPR----- 667
DB 746 CAIVPTKEVYVCTHCTGAGKRCCELCDQGYFGDPLGS-----NGPFLCLCPQOC 795
QY 668 TPNYNSALANTVTLGAGPSFTSKGLKYFHH-----FTLSLGNQGRMSVC 714
DB 796 NMDIDNAYGNCRRLG-----ECLKCIYNTAGFYCDRCXGFGFNPLAPADKCKXK 849
QY 715 TDNVTLRLRIPGSGSGSKITAYVCCAVIIPREYTYKAGV-----SSQPSVSLADR 765
DB 850 ACNYGTGQ---QOSSCNPTGQ-CQCL---PHVSGRDGCTDPPGYNLQSGQGCERCDC 901
QY 766 LIGVTDMLTDLGITSFAELFHLSESLGIPDIYFFRSDNTQSCSGSRSTTIRVRC----- 820

DB 902 HALGSTNGQCDIRITGQCE-----COPGITGHCERCETNHF 937
QY 821 -SPQKTVP-----GSLLL-----PGTCS-----DGTCDGCGNPHFL---WESAAACPL 858
DB 938 GGFEGGCKPCOCHHGHGSLSLCKDDGRCEGCEGFPVGNRCDCQCEBNYFNRSMPGQCECPA 997
QY 859 C 859
DB 998 C 998

RESULT 10
US-09-561-818A-28
/ Sequence 28, Application US/09561818A
/ Patent No. 6638907
/ GENERAL INFORMATION:
/ APPLICANT: Kortesmaa, Jarkko
/ APPLICANT: Tryggvason, Karl
/ TITLE OF INVENTION: Laminin 8 and Methods For Its Use
/ FILE REFERENCE: 99/274-D
/ CURRENT APPLICATION NUMBER: US/09/561, 818A
/ NUMBER OF SEQ ID NOS: 28
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 28
/ LENGTH: 1572
/ TYPE: PRT
/ ORGANISM: Mus musculus
US-09-561-818A-28

Query Match 4.2%; Score 229.5; DB 4; Length 1572;
Best Local Similarity 19.6%; Pred. No. 4.7e-11;
Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLLMAGTAFQVT-----OGTGPBLHACKES-----EYHYETACDSTGSRM 68
DB 95 PMSINLTLLHKAFAIDITYRLKFKHTSRPESFAIKYKTRREDGPMIPYQYSGSCENTYSKA 154
QY 69 RAVAPHTPG-----LCTSLDPVKGTECSFSCNAGFELDMKQSCPCABGRSLGTGR 123
DB 155 NRGFIRTGDEQALCTD-----EFSDI-----SPLTGNVAFST--- 189
QY 124 FDEWDELPHGFASLSANMELDASAESTGCTSSKWPFGDYIAFNTDECTATLMYAVNL 183
DB 190 -----LEGRPSAVNPDNSPVLQEWVATD-----IRVTL 218
QY 184 KQSGTVNFE-----YYPDSSIIFFEVQNDQCPNADSRMKTKTEKMEFHSV 233
DB 219 NRLNTEGDEVENDPKYLKSYTAAISD-----FAVGRCCKNGHASECVKN-----EFDKL 268
QY 234 ELNRGNVNL-----YWRTPAFSVTKVPKPVLRNIAITGVAYTSECPC 278
DB 269 MCNCKNNTYGVDECKCLPFENDRPMRRAITAES-----ASECLPC 307
QY 279 -----KPGTYADKQSSFCUKCPANSYSNKGTSCHQ-----CDPKYS 317
DB 308 DCMGRSQECYFDELRYSTGHGCHCTNCRDNTDAKCE-RRENPFRLGNTAEACSPCHCS 366
QY 318 EKSSSS-----CNVRPA-----CTDKDYFYHT-----ACDANGETOLMYKMAK 356
DB 367 PVGSLSTQCDSYRCCKPFGWGDCKDRCPGFHSLTEAGRPCSCDPSGSDTBCNVEIG 426
QY 357 PKICSEDLLEGAVLPAAGVKTGCPNCPGFFKTNST---CQPCPYGYSNGSDCTRCPA 413
DB 427 RVCXKDNVEG-----FNCERCKPGFENLESNPKGCTPC-FCFGHSSVCTN--- 471
QY 414 GTEPAVGE-YKMMNLTPLTMMETTVLSGINFYKMGTMGEV-----AGDHITY 460
DB 472 -----AVGYSVYDISSTFOIDED-----GMRVEQRDGSBASLEWSSDRQYI 512
QY 461 AAGASDNDFMLTLVVGFRPPQSVMADEKENKEVARITFVET---LCSVNCLELYFVAVG 517
DB 513 AV-ISDSYFPRYFIAVYKFLGNQ-VLSYGN-----LSFSFRVDRDRTLBSADLVLEGA 565

QY 518 NSRNTPEVETWKS-KGKQSYTIIIBENTTSFTW-----AFQ-----RTTF 558
 Db 566 GLRVSPPLAAGSISYSETTVKXIFRLHEATIDYPRPALSPPEFQKLNUNLTSIKIRGY 625
 QY 559 HEASRYXTNDVA-----KITYSI 575
 Db 626 SERAGYLDVTLQASAPGVPATWESCTCPVYGQFCETCLPGYRRETPSLGYPSP 685
 QY 576 NTNNVWNGVASYCRP-----CALEASDVGSCTSCPAGYIIDRDSGT-----CHSCP----- 622
 Db 686 CVLCTCGHSETPDPTGVDCDNDNTAGHCEKSCSGYIGDSTLGTSSDCQPCPCGSS 745
 QY 623 ----PNT--ILKAQPYGV--QACVPCGPOTKNNKHLSLCYNDCTPSRNTPTR----- 667
 Db 746 CALVPKTEVCTHCTGTAGKRCCELDDGYFGLGS-----NGPYRLCRPCQC 795
 QY 668 TERNYNSALANTVTLAAGSPFTSKGLKYPFH-----FTLSLQNGQKRMKVC 714
 Db 796 NDNIDPNAVGNCRNLG-----ECLKCIYNTAGFYCDRCCKGCFGNPLAPADKCKAC 849
 QY 715 TDNVTDLRIPEGSGFSKSTAYVCOAVIIPPEVTGYKAGV-----SSQPVSLADR 765
 Db 850 ACNRYGVQ-----QSSCNPTVGQ--CQCL--PHVSGDCOTCDPGYNNLQSGGCEBDC 901
 QY 766 LIGVTTDMITDGTSPAEFLHLESIGIPDVIFFYRSNDVTQSCSSGRSTTIKVC----- 820
 Db 902 HALGSTNGOCDIRTGOCE-----CQPGITGHCERETNHF 937
 QY 821 --SPQKTVP-----GSLLL-----PGTCS-----DGTCCGCFNHL-----WESAACPL 858
 Db 938 GFPGEGCKPCDCHHESLSLQCKDRCCEBGEFVGNRCDCEENFYNRSPGQCECA 997
 QY 859 C 859
 Db 998 C 998

RESULT 11
 US-09-562-702A-30
 ; Sequence 30, Application US/09562702A
 ; Patent No. 6632790
 ; GENERAL INFORMATION:
 ; APPLICANT: Yurchenco, Peter
 ; TITLE OF INVENTION: Laminin 2 and Methode for its use
 ; FILE REFERENCE: 99-274-B
 ; CURRENT APPLICATION NUMBER: US/09/562,702A
 ; CURRENT FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: 60/155,945
 ; PRIOR FILING DATE: 1999-09-24
 ; PRIOR APPLICATION NUMBER: 60/143,289
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: 60/139,198
 ; PRIOR FILING DATE: 1999-06-15
 ; PRIOR APPLICATION NUMBER: 60/131,720
 ; PRIOR FILING DATE: 1999-04-30
 ; NUMBER OF SEQ. ID NOS: 32
 ; SOFTWARE: Patentn Ver. 2.0
 ; SEQ. ID NO 30
 ; LENGTH: 1605
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-562-702A-30

Query Match 4.2%; Score 229.5; DB 4; Length 1605;
 Best Local Similarity 19.6%; Pred. No. 4.8e-11;
 Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

QY 23 PRLMRLIMAGTAFQVLT-----QGTGPELHACKES-----EYHYEYACDSTGSRM 68
 Db 128 PMSINILHLGKAFDIYVNLKFTSRPESFAIYKTRREDGPWIPYOYVSGSCSEMYTSSKA 187
 QY 69 RAVVPHTPG-----LCISLDPVKGTECFSCSNAGBRLDMKQSKCPAEGRYSJGTGR 123

Db 188 NRGRFIRGGEQALCTD-----BESDI-----SPLGQNVAFST--- 222
 QY 124 FDEWDELPHGFBASISANMELDDEAESTGCTSSKWPYRGDYIAFYNDCTALIMAVNL 183
 Db 223 -----LEGRPSAYNFDSNPVLQEWLTARD-----IRVTL 251
 QY 184 KQSTGVNFE-----YYPPDSIIIEFFVQNDCCQVADNRSMKTKTEKGMFHSV 233
 Db 252 NRLTFDEVEFNDPKVLKSYVYAI SD-----FVGGRCCKNGHASECVKN-----BEDKL 301
 QY 234 ELNRGNVNL-----YRRTAFSVYTKVKKPVLVRLNIAITGVAATSECFPC 278
 Db 302 MCKCKANTYGVDEKCLPFENDRWRKATLES-----ASEBLPC 340
 QY 279 -----KPGTYADKQGSSEFCYCLPANSYSNKGETSCHQ-----CDPDKYS 317
 Db 341 DCMGRSQGEYFDFELYSTGHGCHCTNCRNNTGAKCE--RCRBNFRLGTEACSPCHCS 399
 QY 318 EKGSSS-----CMNRPA-----CTDKDYFYFHT-----ACDANGETOVMYKMAK 356
 Db 400 PVGSLSTQCDSYGRCSCKPGVYMGDKRCQPGFHSILTEACRSCDPSGSTBCNVETG 459
 QY 357 PKISEDLGGAVKLPASGVXTHCPNCPGFEKTNST--CQPCPYGSYNSGSDCTRCPA 413
 Db 460 RCVCXKNVEG-----FNCERCKPGEFNLESNNPKGCTPC--FCFGHSSVCTN--- 504
 QY 414 GTEPAVGEF-YKMNNTLPMTMETTVLSGINPEYKMGTMGEV-----AGHIYT 460
 Db 505 ----AVGYSYVDISSTQIODE-----GMVEQRODSEASLEWSSDQYI 545
 QY 461 AAGASDNDFMLTLVWGFPRPQSMADTENKEVARIITFEET--LCSVNCILYFVWGV 517
 Db 546 AV-ISDSYFRYFIAPKFLGNQ-VLSYGN-----LSFGRDRADRTRLASADLVLEGA 598
 QY 518 NSRNTPEVETWKS-KGKQSYTIIIBENTTSFTW-----AFQ-----RTTF 558
 Db 599 GLRVSPPLAAGSISYSETTVKXIFRLHEATIDYPRPALSPPEFQKLNUNLTSIKIRGY 625
 QY 559 HEASRYXTNDVA-----KITYSI 575
 Db 626 SERAGYLDVTLQASAPGVPATWESCTCPVYGQFCETCLPGYRRETPSLGYPSP 685
 QY 576 NTNNVWNGVASYCRP-----CALEASDVGSCTSCPAGYIIDRDSGT-----CHSCP----- 622
 Db 686 CVLCTCGHSETPDPTGVDCDNDNTAGHCEKSCSGYIGDSTLGTSSDCQPCPCGSS 745
 QY 623 ----PNT--ILKAQPYGV--QACVPCGPOTKNNKHLSLCYNDCTPSRNTPTR----- 667
 Db 746 CALVPKTEVCTHCTGTAGKRCCELDDGYFGLGS-----NGPYRLCRPCQC 795
 QY 668 TERNYNSALANTVTLAAGSPFTSKGLKYPFH-----FTLSLQNGQKRMKVC 714
 Db 796 NDNIDPNAVGNCRNLG-----ECLKCIYNTAGFYCDRCCKGCFGNPLAPADKCKAC 849
 QY 715 TDNVTDLRIPEGSGFSKSTAYVCOAVIIPPEVTGYKAGV-----SSQPVSLADR 765
 Db 850 ACNRYGVQ-----QSSCNPTVGQ--CQCL--PHVSGDCOTCDPGYNNLQSGGCEBDC 901
 QY 821 --SPQKTVP-----GSLLL-----PGTCS-----DGTCCGCFNHL-----WESAACPL 858
 Db 938 GFPGEGCKPCDCHHESLSLQCKDRCCEBGEFVGNRCDCEENFYNRSPGQCECA 997
 QY 859 C 859
 Db 1031 C 1031

RESULT 12

US-09-561-818A-26
; Sequence 26, Application US/09561818A
; Patent No. 6638907
; GENERAL INFORMATION:
; APPLICANT: Korteasaa, Jarkko
; TITLE OF INVENTION: Laminin 8 and Methods for Its Use
; FILE REFERENCE: 99/274-D
; CURRENT APPLICATION NUMBER: US/09/561,818A
; CURRENT FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 1605
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-561-818A-26

Query Match 4.2%; Score 229.5; DB 4; Length 1605;
Best Local Similarity 19.6%; Pred. No. 4.8e-11;
Matches 212; Conservative 82; Mismatches 366; Indels 421; Gaps 52;

23 PRLMLLLMAGTAFOVT-----QGTGPELHACKES-----EYHYEYTAQDSTGSRM 68
128 PMSINILHLGKAFDITVYALKFHTSRPESFAIKKTRREDGPMIPYQYISGSCENTYSKA 187
69 RVAVPHTPG-----LCTSLDPVYKTECSFSCNAGEFLDMKQSCPCABGRYSLGTR 123
188 NRGPIRTGGEQALCTD-----EFSDI-----SPLTGAVAFST--- 222
124 FDEMDLPHGFASLISAMELDSASTGNCSSKVPVPGDYIAFTDECTATIMYAVNL 183
223 -----LEGRPSANYPDUSPVUGVYATD-----IRVTL 251
184 KQSGTVNFE-----YYPDSSITIEFVQNDQCPNADSRMKTKTEKMEFHSV 233
252 NRIINTGDEVEFNDPKVLKSYVAISD-----FAVGRCCKNGHASBCVKN-----EFDKL 301
234 ELNRGNVNL-----YWRRTAFSVTVTPKPVLYVRNIAITGVAVTSCFPC 278
302 MCNCKANTYGVDCCKLPPFNDRPWRATDES-----ASBCLPC 340
279 -----KPGTYADKQSSSFCKLCPANSSYNNKGETSCHQ-----CDPDKYS 317
341 DCMGRGOECYFDELYRSTGHHGCTNCRDNTGACCE-RCRNNFRLNTEACSPCHGS 399
318 EKSSSS-----CVRPRA-----CTDKDYFYTHT-----ACDANGETQLMKMKAK 356
400 PVGSLSTQCDSYRCCKPGWMDKCDROPGFHSLTEAGCRPCSDPFGSSTDECVNERTG 459
357 PKICSEDLLEGAVLPAASGVKTHCPNCPGFEKTNST---COPCPYGSNSGSDCTRCPA 413
460 RCKCKXNVE-----FNCERCKPGRFLESNPKGCTPC--FCGHSVCYN--- 504
414 GREPAVGE-YKMWNTLPTNMETTIVLSGINFYKMTGWEV-----AGDHIYT 460
505 -----AVGYSYVDISSTFOIDED-----GMRVQRDSEASLEWSSDRQYI 545
461 AAGASNDPMILTLVVGFRPPQSVNADTENKEVARITFVEF---LGVNCELYMVGAV 517
546 AV-ISISYFPRYIAVYKFLGNO-VLSTYGN-----LSFSFRYDRDTRLASBDVLBEA 598
518 NSRTNTPVETWKS-KGKOSYTYIIEBNTTSFTW-----AFQ-----RTTF 558
599 GLRVSVPLLAQNSYSESETVYKIFRLHEATDYPMBPALSPFEQDLNLLNSIKIRGY 658
559 HESRKYTDVVA-----KIYVI 575
659 SESASGLDVTILQSRPGRGPATVBSCTCPVYGGOFCETCLFGYRRETPSLAPYSP 718
576 NVTNWNAGVASYCRP-----CALBASDVGSCTSCPAGYIIRDSGT---CHSCP----- 622
719 CVLCTCNHSEETCDPEFNGVCDGADNTAGPHCEKCSGGYGGDSITLGSISDCCPCPCGGSS 778

623 ----PNT--ILKAPQYGV--QACVPCGPGTRKNNKIHSLCYNDCTFSNTPTR----- 667
779 CAIVKTEKEVCTHCPPTAGRCGLCDGDFGDBLS-----NGVRLCRPCQC 828
668 TENVNFSALANTVTLAGPSTFSKGLKTFHH-----FTSLCNGQGRKMSVC 714
829 NDNIDPMVNGVCNRLTG-----ECLKCIYVTAGFYCDRCRKEGFGFGLANPADKCRAC 882
745 TDNVTDLIPGEGSEFSKSITAYVQAVIIPPEVYKAGV-----SSQPVSLADR 765
883 ACNVTGQ-----QSSCNPTGQ-CQCL---PHVSGRCGICDPRYVNLQSGQGERDC 934
766 LIGVTTMTLDGITSFAELFHLISLIPDVIFFRSNDVTQSCSSGRSTTIRVRC----- 820
935 HALGSTNGQCDIRTGQCE-----CQPGITGQHCERETNHF 970
821 --SPKATP-----GSLTL-----PGTCS-----DGTCDGCONFHL---WESAACPL 858
971 GFGPEGCKPCDCHHEGSLSLCKDGDRCCEKRGVGNRCDCBZENVFYNSMPCGCBPA 1030
859 C 859
1031 C 1031

RESULT 13
US-09-911-842A-2
; Sequence 2, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 3571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-911-842A-2

Query Match 3.8%; Score 209.5; DB 4; Length 3571;
Best Local Similarity 20.4%; Pred. No. 1.1e-08;
Matches 198; Conservative 98; Mismatches 328; Indels 345; Gaps 53;

47 HACKSEHYHYVTACDSTGSRWRAVPHTPCLTSLPVPYKGTCSFSCNAGEFL----- 101
735 HGFHSFEMFYARACDDT-----DLMKRPSEAPETTLGKRVPSRCS 835
102 DMKQSC-----KPCABGRYSLGTGIRFDEWDELPHGF-ASLSAMELID-----S 146
836 DAEDIDCRLHEMLTKYCLEFNYDYENGFAIG-----PGWGGAANRLDYSDDELDTVOE 890
147 AAEISGNTSS---KMWVRG DY---IAFN-----TDECATL-----MYAVN 182
891 TATISGNKSSRIKRSABLSYKTLFNTIASVPLPDERDITLEMENQCLLOTLEIT 950
183 LKQSGTVNFEYYPDSSIIIEFFVQNDQCPNADSRMKTKTEKMEFHSVELNRGNVNL 242
951 NKLKRTILNKDPMY-SFLASEILIA-----DSNSLETKK-----ASPCRPSPVL 994
243 YWRRTAFSVTKVPRVYVRNIAITGYAYTSE---CFPCCKGTATADKQSSFCFLCPANS 299
995 KGRMC-----VNCPL-----GTYYNLEHFTCSCRIGSYQDEBGLCECLCPSGM 1039
300 YS-----NKGETSCH-QCDPDKYSEKSSSCNVRPACTDKYFYHTACDANGETQLMYKW 354
1040 YTEYHSHNINISDCAACQGTYSYSGLJETCSCLGTGYPRFGRSCLSC----- 1089

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QY 355 AKPKICSEDLGAVKLPASGVKTHCPKPCNG--PFKTNNSTCOPCPYGSYNSGD---CTR 410
DB 1090 --PENTSTYKRGANISACV-----PCPBKTSRSGMLPCHPCPDYQYPAKAGACFLA 1142
QY 411 CP-AGTEPAVGFYKMMNTLPTMETTVLSGINFEEKMTGWEVADH1YTLAASDND 469
DB 1143 CPYGTTPFAG-----SRSITECSFS-----STPSAEEBS----- 1173
QY 470 MILTVGPRPQSVADTENKEVARIF--VFETLGSVN-----CELYPM 514
DB 1174 ---V---PASHGHIKKEHISQVHECFEPCHNSGTCQOLGSGYCLCPGLG- 1223
QY 515 VGVNSRTN---TPV-----ETWKGSKXKOSYTYIIENNTTSFTMAF 553
DB 1224 TGKCEFDIDCEPPLPLANNVCKDLVEFICCPGSGYTGQR-----CEEN----- 1269
QY 554 QRTTFBASKRYNDVAKIYSINVTVMGVASY--CRPCALEASDVSSCTSCPAGYTD 612
DB 1270 -----INECSSPCLNKGI CVDGAGVRC-----TCVKGFGVGHCE 1305
QY 613 RDSGTCHS--CPNTILKAHQPYQVQACVPCGPTKNNK-----IHSLCYNDCTPSRMT 665
DB 1306 TEMVECOSNCLNNAVCEQVGFLOKCPGFLGTRCGKNVDECLSQPCNGATCKDG-- 1363
QY 666 TRTFNYSALANTVTLAGSPSTSKGLKTFHFTLSL--C-GNQRKMSVCTDNTDLR 722
DB 1364 -----ANSFRCLCAAGFTG--HCELINECOSNPRNCAATCVD----- 1400
QY 723 IPGEGSFSKITAYVQCAVITPEVTVGKAV--SSQPVSLADRLIGTTMDITDITSP 781
DB 1401 -----ELMSYSCKC--QPGFSGRKCTEQGTGNLDFEVSIGIYVWLDGM-- 1444
QY 782 AELFHESLGIPVIFPYRSD-----VTQSCSSGRSTTIRVRSPOKTVPGSILPFG 834
DB 1445 -----LPSLHALCTEFMKSSDDMNTGTPISYAVDNGSDNT-----LIL-- 1483
QY 835 TCSDGTCDGCGNHFLLW-----ESAACPLCSVADYH--AIYSCVAGIOKTYYWREP 885
DB 1484 TDYNG-----WLYVNGREKITTCPSVNDGSRWHIATWISANGIMK--YIDG 1530
QY 886 KLCSCGIGSL 894
DB 1531 KLSDDGAGL 1539

RESULT 14
US-09-845-583A-10
; Sequence 10, Application US/09845583A
; Patent No. 6635616
; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert
; APPLICANT: Brunken, William Joseph
; APPLICANT: Champilaud, Marie-France
; APPLICANT: Hunter, Dale
; TITLE OF INVENTION: LAMININ 15 AND USES THEREOF
; FILE REFERENCE: 10287-056001
; CURRENT APPLICATION NUMBER: US/09/845, 583A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/200, 863
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1587
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-845-583A-10

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QY 32 AGTAFOVTOGTGPELHACKSEHYEYTAADSTGSRMRVAVPHTPGLCTSLPDPVKTEC 91
DB 70 AGAHCQRADADPQRH--HNASYLTDHSDDE--STW-----QSPSAFVQVY--TSV 118
QY 92 SFCNAGE-----FLMDKQSCKPCAGRSYLGTFID--EMDELPHGASLANNELD 145
DB 119 NITRLGKAVETTYRLKFTSRPESPAIKRS--RADPWE--PYQFISAS----- 166
QY 146 SAAESTGCTSSKMWPRGDIYAFNTDE--CTATLVAANLKSGTWFNE-----Y 193
DB 167 -----CQKTYRPRGQYLRPEDBERVAFCTSEFS--DISPAGGNVASTLEGPSAY 217
QY 194 YTPDSSIIFFEFVNDQCPRAADSRMKTKTEKMEHSELNR--GNVVL----- 242
DB 218 NFESPGLQE-----WVSTEL-----LISDLANTFGDDITKDPKVLQ 256
QY 243 --YRTTAFSYWTKPXPVILVRNIAITGVAYTSECPCKPQYADKQSSFCXLPANSY 300
DB 257 SYTYAVSDFSYGRCKCN-----GHASPCGP-----DVAGQLACR--CQNTT 297
QY 301 SNKETSCHQCDP--DYISEKSSS-----CNV--RPACT-DYDYYT----- 338
DB 298 G-----TDCERCLPFQDRPMARGTAEAHNCLPCNCSGRSECTFDELFRTSGHGRC 353
QY 339 ---HTA-----CDANGETOAMYKMAKPKI--CSEDEGAVKLPASGVKT----- 377
DB 354 HCRDHTAGPHRCQEN-----FYHW--DEPMPCQDCQSGAGLHLCDDTGTCAKPTV 407
QY 378 --HCPNCPGFFKTNNSTCQPC--PYGSYS-----NSGDCIRCPAGTE 416
DB 408 TGMKCDRELPFGHLSSEGRCPCYCNPAGSLDTCDPKSGRCCKENVEGMLCGRCPGT- 466
QY 417 PAVGEYKMWNTLTLTN-----METTVLSGINFE-----YKMGTM--EVA 454
DB 467 -----FLOQHNPAQSCSCCYGSHKACSTAOVYHNLISDHOAEGMMAASVG 517
QY 455 G-----DHITYTAG--ASDNDF-----MILTVVGFRRPQSVADT 489
DB 518 GSEHSPQSPNGVLLSPDEHELTAPKGLCDQGFSSYGPILTLFRVPDPSLPVQRL 577
QY 490 ENKEVARTTFVPELTCVNGELVFMGVNSRTNPVETWKGSKXKOSYTYIIENNTTS- 548
DB 578 EGTGLA-----LSLRHSLSGPQDARASQGGRAQVPLQETSEVAP 618
QY 549 --FTWAFORTTFHEASRY-----TNDVAKIY--SINVTVMGV--ASYCRPCALEAS 596
DB 619 PLRPHNFORLLANLISLRVSPSPAGPVFLTEVLTSAKPLSPASVETICSCPTG 678
QY 597 DVGSCTSCPAGYTIDRDCG-----TCH--SCPPNT--ILKXHQPYQVACVPCG 642
DB 679 YTGQFCSGADGYKEMFGGPRVASCCTCNOGTGDPMTGICVCSHTEG--PSCERCL 737
QY 643 PGTNNKRIHSLCYQDCPTFSRNTPTRTFNYSALANTVTLAGSPSTSKGLKTFHFTLS 702
DB 738 PGTGNPFAQA--DDC--QCPFCG-----QSACTIIPBSG-----EYVCT 775
QY 703 LC--GNQRKMSVCTDNTDLIRIPEGSGFSKITAYVQCAVITPEVY----- 748
DB 776 HCPQQRGRCEVDDGF--FGDPLGLFGHPQCHQCCQSGNDVPMVANGCDPLSGCLR 833
QY 749 -----TG-----YKAGVSSOPVSLADRLI-----GVTTMTLDGITS 785
DB 834 CLHNTTGDHCHCOBGFGSLAPRP--ADKPCPCCHPGSISBDMPCDPVYTGQSC- 889
QY 786 HLESIGIPDVIFFYRNSDVTQSCSGSRSTTIRVASCPOKTVPGSL-LPFG----- 834
DB 890 -----LPHV-----TARDG-----RC-----YPGFFDLQPGGCRCKCHP 921
QY 835 -----TSGDG-----TDCGNNHFLMESAAACPLCSVADYHATVSSC 871
DB 922 LSGEDCHPKTGQCTCPVGTGACDRCQGLFFGSSITKGRACRCSPLGASAC 977

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3.5%; Score 192; DB 4; Length 1587;
 Best Local Similarity 19.0%; Pred. No. 1.1e-07;
 Matches 204; Conservative 114; Mismatches 354; Indels 404; Gaps 65;


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RESULT 15
US-09-561-709B-3
; Sequence 3, Application US/09561709B
; Patent No. 6682911
; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert
; APPLICANT: Champlaud, Marie-France
; APPLICANT: Olsson, Pamela
; APPLICANT: Koch, Manuel
; APPLICANT: Brunken, William
; TITLE OF INVENTION: LAMININS AND USES THEREOF
; FILE REFERENCE: 10287-060001
; CURRENT APPLICATION NUMBER: US/09/561, 709B
; CURRENT FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 09/168, 949
; PRIOR FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: US 60/061, 609
; PRIOR FILING DATE: 1997-10-10
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1587
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-561-709B-3

Query Match      3.5%; Score 192; DB 4; Length 1587;
Best Local Similarity 19.0%; Pred. No. 1,1e-07;
Matches 204; Conservative 114; Mismatches 354; Indels 404; Gaps 65;

QY 32 AGTAFVGTGTGELHACKSEHYEYTAQDSGSRVAVPHITPBLCLSLDPVYGTGTC 91
DB 70 AGAHCRCPDAADPDRH--HNASTYLPDHSODE--STW---QSPFMAFGVQYP---TSV 118
QY 92 SFSQCNAGE-----FLDMKQSCCKPCAEGRYSIGTGIRFD--EWDELPHGPASLSANMELDD 145
DB 119 NITLRGKAYEITVYRLKFTHSRESFATYKRS--RADGPWE--PYQFYASAS----- 166
QY 146 SAAESTGNTCTSSKRWVRGDIYANTDE---CTATLMAVNLKQSGTVNFE-----Y 193
DB 167 -----CQKTGRREGOGLRPEDEBERVAFCTSEPS--DISPLSGNVAFSTLEGRPSAY 217
QY 194 YPDSIIIEFFVQNDQCPNADDSRMKTEKMEFHSVELNR---GNNVL----- 242
DB 218 NFESBGLQE-----WYVSTEL-----LISLDRINTPBGDIFKPKYTLQ 256
QY 243 --YKRTTASVWTKVPEVLVNIATGYAYTSECFPKPGTYADKQSSFFKLCPRANSY 300
DB 257 SYTYAVSDFSVGRCKCN-----GHASECGP-----DVAQLACR--COHNTT 297
QY 301 SNKGETSCHQCDP---DKYSEKSSS-----CNV---RPACT--DKDYFYT----- 338
DB 298 G---TDCEKRLPFPQDRPMAKGTAEAHCLPNCSGRSEBCTPDLRFSTGHGGRCH 353
QY 339 ---HTA-----CDANGETOLMYKAKPKI---CSEDLGAVKLPASGVKT----- 377
DB 354 HCRDHTAGHCERCOEN-----FYHW--DPRMPCQCDQASGSLHLQCDDTGTCAKPTV 407
QY 378 ---HCPKCPGFFKTNKNTGCPG---PYGSYS-----NSDCTRCPGATG 416
DB 408 TGMKCDRCRLPGFHSLSGCGRPCTCNFAGSLDTCDPRSGRCPCKENVEBGNLCDCRCPGT- 466
QY 417 PAVGFYKMWNTLPTN-----METVLSGINFE-----YKGMTGW---EVA 454
DB 467 -----FNLQPHNPAGSCSCFCYGHGKVCASHTAQFVHHILSDPHOGAAGWMAASVG 517
QY 455 G-----DHIYTAG--ASDNDP-----MULTLVYGPFPQSVMADT 489
DB 518 GSEHSPQWSPNGVLSPEDEBELTAGKFLGQRFYSYGPFLITFRVPPGDSPLPVQLTL 577
QY 490 ENKEVARIITFEFTLCSVNCCLYFMWGVANSRTNTPVETWKGSKGKOSYTYIIIEENTTTS- 548
DB 578 EGTGLA-----LSLHSSLSISGPDARASQGGRAQVPLQETSEDVAP 618

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QY 549 --FTWAFORTFHEASRKY-----TNDVAKXY--SINTVNMNGV---ASYCRPCALBAS 596
DB 619 PLPFPFHQBLANLTSILRLVSPGSPBAGVYFLEIVRLTSARPLSPASWVEIJCPTG 678
QY 597 DVSSCTSCPAGYIIDRDG-----TCH---SCBPNT--ILKAOPIYGOACVBCG 642
DB 679 YTGQCFESCAPGYKREMPQGPVYASCVPCTCNQHGTCDEPNTGICVCSHTTBG--PSCERCL 737
QY 643 PGTNNKXIHSLCYNDCTFSRNTPTRTFMNPSALANTYTLAGBSFTSKGLKTFHHFTLS 702
DB 738 PEFYGNPPAGQA--DQC---QPCPCG-----QSACTTIPESG-----EYVCT 775
QY 703 LC--GNQGRKMSVCTDNTDRLRIPESGSPFSKSIYAVCAVILPEV----- 748
DB 776 HCPFGQRGRRCBVCDDGF--FGDPLGLGFHQPCHQCCSGNVDPNAGNCDPLSGHCLR 833
QY 749 ---TG-----YKAGVSOQVSLADRLI-----GTTDMTLDTGITSPAELF 785
DB 834 CLHNTTGHCHCEHCEGFYGSALAPRP--ADKMPGCSCHPOGSVSEQWPCDPVTGQCSG- 889
QY 786 HLESIGIPDYLFYRSDNVTQSCSGSRRTTIRVRCSPQKTVPGSL--LLPG----- 834
DB 890 -----LPHV-----TARDGS-----RC-----YGFPPDLPQPGGCRSKCHP 921
QY 835 -----TCSDG-----TDCGNEHFLMESAAACPLCSVADYHAIVSSC 871
DB 922 LSGQDQCHPXGTGQCTCRPGVTGQACDRQCGFGFSISIKGCRACRCSPLGAASAC 977

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Search completed: June 18, 2004, 11:39:34
 Job time : 31 secs

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